



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road, Transport and Highways, Government of India)

परियोजना कार्यान्वयन, इकाई. सोलापूर (महाराष्ट्र)

Project Implementation Unit, Solapur (Maharashtra)



कार्यालय : पुणे-सोलापूर राजमार्ग के निकट, मौजे बाले, जिला सोलापूर-४१३२५५, महाराष्ट्र
Office : Adjacent to Pune-Solapur Highway, Mauje Bale, Dist. Solapur-413255 Maharashtra
Ph.No. 0217-2303379 * ई-मेल/Email : solapur@nhai.org * वेब /Web : https://nhai.gov.in

सं.:एनएचएआई/पीआईयू/एसएलपी/एनएच-/पाईप लाईन/२५/2405 दिनांक: १०.२०२५

सार्वजनिक टिप्पणियों का आमंत्रण

विषय - राष्ट्रीय महामार्ग ०९ के सोलापूर-महाराष्ट्र कर्नाटक सीमा खंड को कि.मी. २४९+००० से कि.मी. ३४८+८०० - महाराष्ट्र राज्य के धाराशिव जिले के नलदुर्ग गांव तालुका तुलजापुर, मे केंद्र सरकार प्रायोजित अमृत-2 परियोजना के तहत नलदुर्ग जल आपूर्ति योजना की जल आपूर्ति पाइपलाइन बिछाने के लिए अनापत्ति प्रमाण पत्र प्रस्ताव प्रस्तुत किया है।

- मुख्य अधिकारी नलदुर्ग ने महाराष्ट्र राज्य के धाराशिव जिले के नलदुर्ग गांव तालुका तुलजापुर, मे केंद्र सरकार प्रायोजित अमृत-2 परियोजना के तहत नलदुर्ग जल आपूर्ति योजना की जल आपूर्ति पाइपलाइन बिछाने के लिए अनापत्ति प्रमाण पत्र प्रस्ताव प्रस्तुत किया है।
- मंत्रालय द्वारा जारी दिशा-निर्देशों के अनुसार, दिनांक २२.११.२०१६ के का.ज्ञा. संख्या आर. डब्लू/एनएच-३३०४४/२९/२०१५/एस.एंड.आर(आर) के अनुसार, दावे और आपत्तियां (सार्वजनिक असुविधा, सुरक्षा और सामान्य सार्वजनिक हित के आधार पर) मांगने के लिए आवेदन ३० दिनों के लिए सार्वजनिक डोमेन में रखा जाएगा।
- उपर्युक्त के मद्दे नजर, उपरोक्त आवेदन पर जनता की टिप्पणियां नीचे उल्लेखित पते पर आमंत्रित की जाती हैं, जो प्रकाशन की तारीख से ३० दिनों के भीतर इस कार्यालय तक पहुंच जानी चाहिए, इसके बाद कोई टिप्पणी स्वीकार नहीं की जाएगी।

परियोजना निदेशक

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई, सोलापूर
पुणे-सोलापूर राजमार्ग के निकट, मौजे बाले,
जिला सोलापूर. -४१३२५५, महाराष्ट्र.

धन्यवाद,

भवदीय



(स्वप्निल कासार)

उपमहाप्रबंधक (त) तथा परियोजना निदेशक,
भा.रा.रा.प्रा. प.का.ई, सोलापूर

प्रतिलिपी -

- मुख्य महाप्रबंधक (तकनीकी) क्षेत्रीय कार्यालय मुंबई कृपया जानकारी के लिए।

D. M. G. (T)

2141

BA नहेर
H 21/8



नगर परिषद नळदुर्ग

ता. तुळजापूर जि. धाराशिव
पिन कोड - 413602
दुरध्वनी 02471-246014 / 246025
Email I. - naldurmcc@gmail.com



जा. क्र./नपन / 831 / 2025

दिनांक: - 19/08/2024

प्रति,

प्रमुख संचालक,
कार्यकारी अभियंता
राष्ट्रीय महामार्ग क्र. 65
सोलापूर.

विषय :- अमृत-2 अभियानांतर्गत वाढीव नळदुर्ग शहर पाणी पुरवठा योजना ता. तुळजापूर
जि. धाराशिव
रस्ता ओलांडणे व समांतर पाईपलाईन टाकणेबाबत..

संदर्भ :- 1) या कार्यालयाचे कार्यारंभ आदेश क्र. नपन / 277 / 2024 दिनांक 26/06/2024.

उपरोक्त विषयास अनुसरून विनंती करण्यात येते की, वाढीव नळदुर्ग शहर पाणी पुरवठा योजनेची कामे प्रगतीपथावर आहे. सदर योजने अंतर्गत राष्ट्रीय महामार्ग क्र. 65 वर 288/800 या चेनज जवळील पुलाच्या शेजारून एम.एस. फॉब्रीकेशन चा पुल तयार करून राष्ट्रीय महामार्ग ओलांडणे आवश्यक आहे. त्याकरिता आपल्या विभागाची रितसर परवानगी घेणेकरिता प्रस्ताव तयार करण्यात आलेला आहे. सदर प्रस्तावाची छायांकित प्रत या पत्रासोबत सादर करण्यात येत आहे. त्यामध्ये काही बदल करणे आवश्यक असल्यास आम्हाला कळविण्यात यावे जेणे करून फेर प्रस्ताव सादर करतांना कोणतीही त्रुटी राहणार नाही.

आपणास या पत्राद्वारे विनंती करण्यात येते की, राष्ट्रीय महामार्ग क्र. 65 रस्ता ओलांडणे व समांतर पाईपलाईन टाकण्याची परवानगी त्वरीत देण्यात याची कार्यवाही अनुसरण्यात यावी. जेणे करून योजनेतील कामे पूर्ण करून घेणे शक्य होईल.

करिता माहितीस्तव व पुढील उचित कार्यवाहीस्तव देण्यात येते.

प्रत :- मे.निसर्ग कन्सलटन्सी, पुणे यांना माहितीस्तव व कार्यवाहीस्तव देण्यात येते.

मुख्य कार्यकारी
नगर परिषद नळदुर्ग
नगर परिषद, नळदुर्ग



**RIGHT OF WAY PERMISSIONS FOR
LAYING UTILITY SERVICES ON
N. H. SOLAPUR-HYDRABAD NO 65**

CROSSING @ CH 288/870

**NALDURG WATER SUPPLY SCHEME (Bori
Dam as a source), TQ.TULJAPUR
DIST.DHARASHIV UNDER AMRUT 2.0**

**Proposal of NALDURG WATER SUPPLY SCHEME TQ.TULJAPUR DIST.DHARASHIV UNDER
AMRUT 2.0 in the land for Along the Road of National Highways vested with NHAI.**

Sr. No.	Description	Page	
		From	To
1	Application		
2	Checklist		
3	License Agreement		
4	Undertaking -1		
5	Undertaking - 2		
6	Undertaking - 3		
7	Undertaking - 4		
8	Undertaking - 5		
9	Undertaking - 6		
10	Undertaking - 7		
11	Undertaking - 8		
12	Undertaking - 9		
13	Undertaking - 10		
14	Undertaking - 11		
15	Undertaking - 12		
16	Methodology of laying pipe line along highway and crossing pipe line.		
17	Water pipe line plan & cross section		

CHECK - LIST

Guidelines for Project Directors for processing the proposal of NALDURG WATER SUPPLY SCHEME (Bori Dam as a source), TQ.TULJAPUR DIST.DHARASHIV (UNDER AMRUT 2.0) in the land for Crossing of National Highways vested with NHAI.

Relevant Circulars

- 1) Ministry Circular No. RW/NH - 33044/29/2015-S&R (R) dated 22.11.2016.

Check list for getting approval for laying Water Pipe line on NH Land.

Sr. no.	Item	Information / Status	Remarks
1	General information	Proposed Water Supply line NH - 65 Crossing of Road 1) At Chainage 288/870 Push Through Passing mm dia M.S. Pipe 5 mm thick Total Length - 80 Rmt	
1.1	Name & Address of the Applicant	Chief Officer, Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv	
1.2	National Highway Number	NH-65	
1.3	State	Maharashtra	
1.4	Location	Crossing of Road 1) At Chainage 288/870 Push Through Passing	
1.5	(Chainage in Km)	Crossing of Road 1) At Chainage 288/870 Push Through Passing	
1.6	Length in Meters	Water pipe line Crossing the Road Length - 80 RMT	
1.7	Width of available ROW	80.00 M	
	(a) Left side from center line towards increasing chainage / km direction.	As per demarcation shown by concellionaire	
	(b) Right side from center line towards increasing chainage / km direction.	As per demarcation shown by concellionaire	
1.8	Proposal to lay the pipe.		
	(a) Right side from center line towards drawing chainage / km direction.	NA	
	(b) Left side from center line towards drawing chainage / km direction.	Yes	
1.9	Proposal to lay acquire land.		
	(a) Left side from center line.	N.A.	
	(b) Right side from center line.	N.A.	
1.10	Whether proposal is in the same side where land is not to be acquired.	Yes	
1.10	If not then where to lay the pipe.	Crossing of Road 1) At Chainage 288/870 Push Through Passing	
1.11	Details of already laid services, if any, along the proposed route.	-	
1.12	Number of lances (2/4 / 6 / 8 lanes existing.	4 Lanes with paved shoulder. & 6 lane with both side service road.	
1.13	Proposed Number of lanes (2 lane with paved shoulders / 4 / 6 / 8 lanes).	N.A.	
1.14	Service road existing or not	Yes	

Sr. no.	Item	Information / Status	Remarks
	If yes then which side	LHS & RHS	
	(a) Left side from center line. (LHS)	-	
	(b) Right side from center line. (RHS)	-	
1.15	Proposed Service road.	NA	
	(a) Left side from center line.	NA	
	(b) Right side from center line.	NA	
1.16	Whether proposal to lay pipe is after the service road or between the service road and main carriageway.	After service Road	
1.17	The permission for laying pipe shall be considered for approval / rejection.	Submitted for approval.	
	(i) where the ROW is more than 45 m then the pipe shall be laid at the edge of right of way within the utility corridor of 2 m width, duly keeping in view the future widening.	Agreed	
	(ii) where land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the pipe shall be laid at the edge of right of way within the utility corridor of 2 m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 - laning.	N.A.	
	(iii) Where the widening plan for 4-laning is not yet decided and available ROW is around 30 m or less, a judicious decision would need to be taken for permitting. The laying of cable / duct. This could be within 1.50 m to 2 m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	N.A.	
1.17	(iv) where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. highways in cutting through hilly / rolling terrain), the pipe shall be laid clear of the drain.	N.A.	
1.17	(V) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable / ducts, the permission may be refused.	N.A.	
1.18	No. of applicants on the same stretch	1	
1.19	Whether the case of multiple licenses.	No	
1.20	If so furnish a joint implementation programme to lay their respective ducts within stipulated time frame.	N.A.	

Sr. no.	Item	Information / Status	Remarks
1.21	If crossings of the road involved if Yes it shall only be through trench - less technology.	No	
2	Document / Drawings enclosed with the proposal.		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 2.5 m deep x 2 m wide) Should not be greater than 1.20 m in width in multiple ducts.	Yes attached.	
2.2	Cross section showing the size of pit and location of pipe for HDD method.	NA	
2.3	Strip plan / Route Plan showing the Pipeline, Chainage, Width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes attached.	
2.4	Methodology for laying Water Pipeline		
2.4.1	Open trenching method. If yes, Methodology of refilling of trench.	The available excavated stuff shall be laid in layers of 15 cm to 20 cm. Each layer shall be watered and compacted before the upper layer is laid till the required level is reached.	
2.4.2	Horizontal Directional Drilling (HDD) Method.	NA	
2.4.3	Laying Pipeline through CD works and method of laying (Whether to be hung outside parapet).	NA	
3	Draft License Agreement signed by two witnesses.	Yes.	
4	Performance Bank Guarantee	Yes. We will submit after demand from NHAI.	
4.1	Performance B. G. as per MORTH circular dt.22/11/2016 to be obtained @ Rs. 500 /- per meter length.	29/2015/S&R Dated 22.11.2016	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes.	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes attached.	
5.2	Renewal of Bank Guarantee	Yes attached.	
5.3	Confirming all standard condition of NHAI's guideline.	Yes attached.	
5.4	Shifting of Pipeline as and when required by NHAI.	Yes attached.	
5.5	Shifting due to 6 lanning / widening of NH.	Yes attached.	
5.6	Indemnity against all damages and claims clause (xxiv).	Yes attached.	

Sr. no.	Item	Information / Status	Remarks
5.7	Traffic movement during laying of pipe to be managed by the applicant.	Yes attached.	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	Yes attached.	
5.9	Certificate for 6 - laning from the applicant in the following format. " We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI " for future six - laning or any other development."	Yes attached.	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the national highway by the laying, maintenance or shifting of the pipe will be borne by the agency owning the line.	Yes attached.	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes attached.	
5.12	Certificate from the applicant in the following Format: (i) Laying the pipe will not have any deleterious effects on any of the bridge Components and roadway safety for traffic.	Yes attached.	
6	Who will Sign the agreement on behalf of pipe laying agency	Chief Officer, Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv	
7	Certificate from the project Director		

Sr. no.	Item	Information / Status	Remarks
7.1	Certificate for the confirming of all standard condition issued vide ministry circular no. Ministry circular No. NH-41(58)/68 dated: 31/01/1969, Ministry Circular No. NH - III/P/66/76, dated: 18/19-11- 1976, Ministry Circular No. RW/NH-III/P/66/76 dated: 11-05-1982, Ministry Circular No. RW/NW-11037/1/86-DOI (ii) dated : 28-07-1993, Ministry Circular No. RW/NH-11037/1/86-DOI dated: 19-1-1995, Ministry Circular No. RW/NH-34066/2/95/5 & R dated:25-10-1999 and Ministry Circular No.RW/NH-34066/7/ 2007 S & R dated :17-09-2003		
7.2	(i) "it is certified that any other location of the pipe would be extremely difficult and unreasonable costly and the installation of pipe Cable within ROW will not adversely affects the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc."(ii) For 6- Lanning:- a) Where feasibility is available "I do certify that there will be no hindrance to proposed six -laning based on the feasibility report considering proposed structures at the said location." b) In case Feasibility report is not available "I do certify that sufficient ROW is available at site for accommodation proposed six - laning		
8	If NH Section proposed to be taken up by NHA1 on Yes BOT basis a clause to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation-----section from Km--to km of NH No.on Build. Operate and Transfer Basis) and there of, the licensee shall honour the same		
9	Who will supervise the work of laying of OFC Cable		
	a. on behalf of applicant	NA	
	b. On behalf of NHA1	NA	
10	Who will ensure that the work of laying of Pipe line work		

Sr. no.	Item	Information / Status	Remarks
	a. on behalf of applicant	NA	
	b. On behalf of NHAI	Independent Engineer & Concellionaire	
11	Who will pay the claims for damages done /disruption in working of Concessionaire if asked by the concessionaire	NA	
12	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed) issued vide Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003.	--	
13	if any previous approval is accorded for laying of pipeline then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.07.2003) as referred in para 13 above is enclosed or not.	--	


 Chief Officer
 Municipal Council Naldurg
 Tq.Tuljapur Dist.Dharashiv

(Enclosure to Ministry Circular No. RW/NH-33044/17/2000 S&R dated 29.9.2000)
Format for Maintaining Records of Right - Why permission granted for laying Water pipeline
(to be maintained separately for every NH and State, every PWD Division or equivalent)

- | | | | |
|---|------------------------------------|---|----------------------------------|
| 1 | Name of State | : | Maharashtra |
| 2 | Name of Agency (PWD/BRO/NHAI) | : | NHAI |
| 3 | Name of PWD Division of Equivalent | : | NHAI, Solapur. |
| 4 | NH Number | : | NH No. 65 (Solapur to Hyderabad) |

Sr. No.	Location change in Km	Left or right side of NH towards increasing chainage / Km direction	Section and reach	Kind of service	Name of licensee and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MORTH standard norms	Remarks
1)	Proposed Water Supply line Crossing the road NH - 65 Crossing of Road 1) At Chainage 288/870 Push Through Passing mm dia M.S. Pipe 5 mm thick Total Length - 60 Rmt	Left & Right Side	Solapur-Hydrabad	Water Pipe line	NA				No.	


Chief Officer
 Municipal Council Naldurg
 Tq. Tuljapur Dist. Dharashiv

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY
PERMISSIONS**

FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement to lay Drinking water pipe line **along** Solapur – Hyderabad Road NH- 65
Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80
M, for the total length of 80 Rmt on NHAI land.

This Agreement made this _____ day of _____ Month of **2025 (year)** between
National Highway acting in his executive capacity through

_____(Hereinafter referred to as “NHAI”
which expression shall unless excluded by or repugnant to the context, include his
successors in office and assigns) on the one part, and **MUNICIPAL COUNCIL**
NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur**
Dist.Dharashiv-413602. (Herein called the License) which expression shall unless

excluded by or repugnant to the context, include his successors / administrator assignees on second part.

Whereas National Highway Authority of India (NHAI) is responsible, inter-alia, for development and maintenance of lands on section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt , RoW.**

Whereas the Licensee proposes to Permission for Laying water pipe line referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for the permission to lay utility services Solapur – Hyderabad Road NH- 65 from **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt .**

And whereas the Authority has agreed to grant such permission for way leave on NH RoW as per terms and conditions hereinafter mentioned.

Now this agreement witnessed that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to lay utility services as per the approved drawing attached hereto subject to the following conditions, namely.

1. RoW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption / damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility / industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs. /sq m/month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the

Licensee, for laying of utilities / cables / conduits / pipelines for Infrastructure / service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.

5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

6. Present policy of the MoRTH is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.

7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.

8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings / parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.

9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.60 meter below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority;

11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills

and shall be designed in accordance with the provision of IRE and executed following the Specifications of the Ministry.

12. Existing drainage structures shall not be allowed to carry the lines across.

13. The top of the casing / conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.30 m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.

14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.

15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.

a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.

b. The backfill shall be completed in two stages

(i) Side-fill to the level of the top of the pipe

(ii) Overfill to the bottom of the road crust.

c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.

d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.

17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris / loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way;

18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.

19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route meter / Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority / its designated agency as a security against improper restoration of ground in terms of filling / unsatisfactory compaction damages caused to other underground installations / utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench / other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority / its designated agency for any damage sustained by them by reason of the exercise of the RoW facility;

21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift / relocate the utility services, in case it is so required for the purpose of improvement / widening of the road/route / highway or construction of flyover / bridge and restore the road / land to its original condition at his own cost and risk.

22. The Licensee shall be responsible to ascertain from the respective agency in coordination with Authority, regarding the location of other utilities / underground Installations / facilities etc. The Licensee shall ensure the safety and security of already existing underground installations / utilities / facilities etc. before commencement of the excavation / using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations / utilities / facilities etc.

23. The Licensee shall be solely responsible / liable for full Compensation / indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them / claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in coordination with Authority shall also have a right make good such damages / recover the claims by forfeiture of Bank Guarantee.

24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.

25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by **trenchless technology**. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

26. The Licensee shall inform / give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance / repair works. A separate performance Bank Guarantee for maintenance / repair works shall have to be furnished by the Licensee.

27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.

28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables / ducts.

29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.

31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in coordination with the Authority.

32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route / road / highway land / property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.

33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.

34. The Licensee shall bear the Stamp Duty charged on this Agreement.

35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geotagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.

36. The Licensee shall allow free access to the Site at all times to the authorized Representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.

37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.

38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines / industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:

a. operation, repair and maintenance guidelines given by the manufacturers,

- b. the requirements of Law,
- c. the physical conditions at the Site, and
- d. The safety of operating personnel and human beings.

39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.

40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.

41. After the termination / expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50 m away from the edge of the RoW.

42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.

43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying / shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT &H / NHAI implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper, Each party to this Agreement has retained one stamped copy each.

IN WITNESS WHERE OF THE PARTIES HERE TO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

By

HOLDER OF GENERAL POWER OF ATTORNEY. DATED
EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO. _____ DATED
PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON
IN THE PRESENCE OF WITNESSES:

1.



Municipal Engineer
Municipal Council Naldurg
Tq. Tuljapur Dist. Dharashiv



Chief Officer
Municipal Council Naldurg
Tq. Tuljapur Dist. Dharashiv

UNDERTAKING

I, **CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG** having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 from **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that

We will not damage other utility while laying water pipe line, in case if it is damaged then the losses will be paid to NHAI or the concerned owning agency as per direction by NHAI.

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg-413602**, hereby do undertake in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M**, for the **total length of 80 Rmt** in the state of Maharashtra, that

1. **MUNICIPAL COUNCIL NALDURG** shall submit the performance Bank Guarantee for the proposed as and when the demand note is raised by NHAI.
2. **MUNICIPAL COUNCIL NALDURG** shall renew the performance Bank Guarantee as and when required if work is not completed in two-year time of the submission of the BG.

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that We will be carrying out the water pipe line work as per the specifications and standards of NHAI and the executed work will confirm all the standard conditions of NHAI guidelines.

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that We will shift water pipe line at our own cost as & when required by NHAI Authority within such time as stipulated by NHAI.

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that We will relocate water pipe line at our own cost, notwithstanding the permission granted within such time as will be stipulated by NHAI for further expansion or any other development.

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that

1. **MUNICIPAL COUNCIL NALDURG** shall be solely responsible / liable for full compensation / indemnification of concerned agency / aggrieved owners for any direct or indirect or consequential damages caused to them / claim or replacements sought for at our cost and risk.

2. Water pipe line would be laid keeping in mind future expansion 2/4/6 laning of the N.H. however, we also agree that we shall shift the water pipe line within 30 days (or as specified by the respective agency / owner) from the date of issued of Notice by the concerned owner to shift / relocate the water pipe line in case it is required for the purpose of improvement / widening of the road / route / highway or construction of flyover / bridge and restore the road / land to its original condition at our own cost and risk.
3. We will not violate the instruction of NHAI (National Highway Authority of India), New Delhi.
4. Water pipe line will be laid under Road by HDD Method.
5. The agency will notify the concerned authority at least 15 days in advance before HDD Method.
6. Adequate arrangement for cautioning the traffic by way of caution board during daytime and danger light at night will be provided by the agency.
7. During the extent of work trenches should be strictly regulated so that the water pipe line are laid and trenches filled up before the close of work. The filling should be completed to the satisfaction of Engineer – in- charge.
8. The agency shall indemnify the road all the damages, if any, due to the Excavation of trenches for the laying of the water pipe line.

UNDERTAKING

I, **CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG** having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that The traffic movement during water pipe line will be managed by **MUNICIPAL COUNCIL NALDURG** in co – ordination with traffic police. Adequate arrangement for cautioning the traffic by way of caution boards during daytime and danger light at night will be provided by **MUNICIPAL COUNCIL NALDURG.**

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that If any claim is raised by concessionaries of the project than the same will be paid by **MUNICIPAL COUNCIL NALDURG.**

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that Prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing water pipe line located in the ROW of National Highway.

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that Expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the water pipe line will be borne by **MUNICIPAL COUNCIL NALDURG.**

UNDERTAKING

I, **CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG** having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602.** hereby do undertake in in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that If NHAI considers it necessary in future to move the water pipe line for any work of improvement or repairs to the road, it will be carried out as desired by NHAI at the cost of **MUNICIPAL COUNCIL NALDURG** Within stipulated reasonable time (Not exceeding 60 days) of the intimation given.

UNDERTAKING

I, CHEIF OFFICER, MUNICIPAL COUNCIL NALDURG having its registered office at **Municipal Council Naldurg Tq.Tuljapur Dist.Dharashiv-413602**. hereby do undertake in reference to our Application for laying water pipe line along section of Solapur – Hyderabad Road NH- 65 **Road crossing through MS Fabrication Bridge at Chainage No. 288/870 Length = 80 M, for the total length of 80 Rmt** in the state of Maharashtra, that

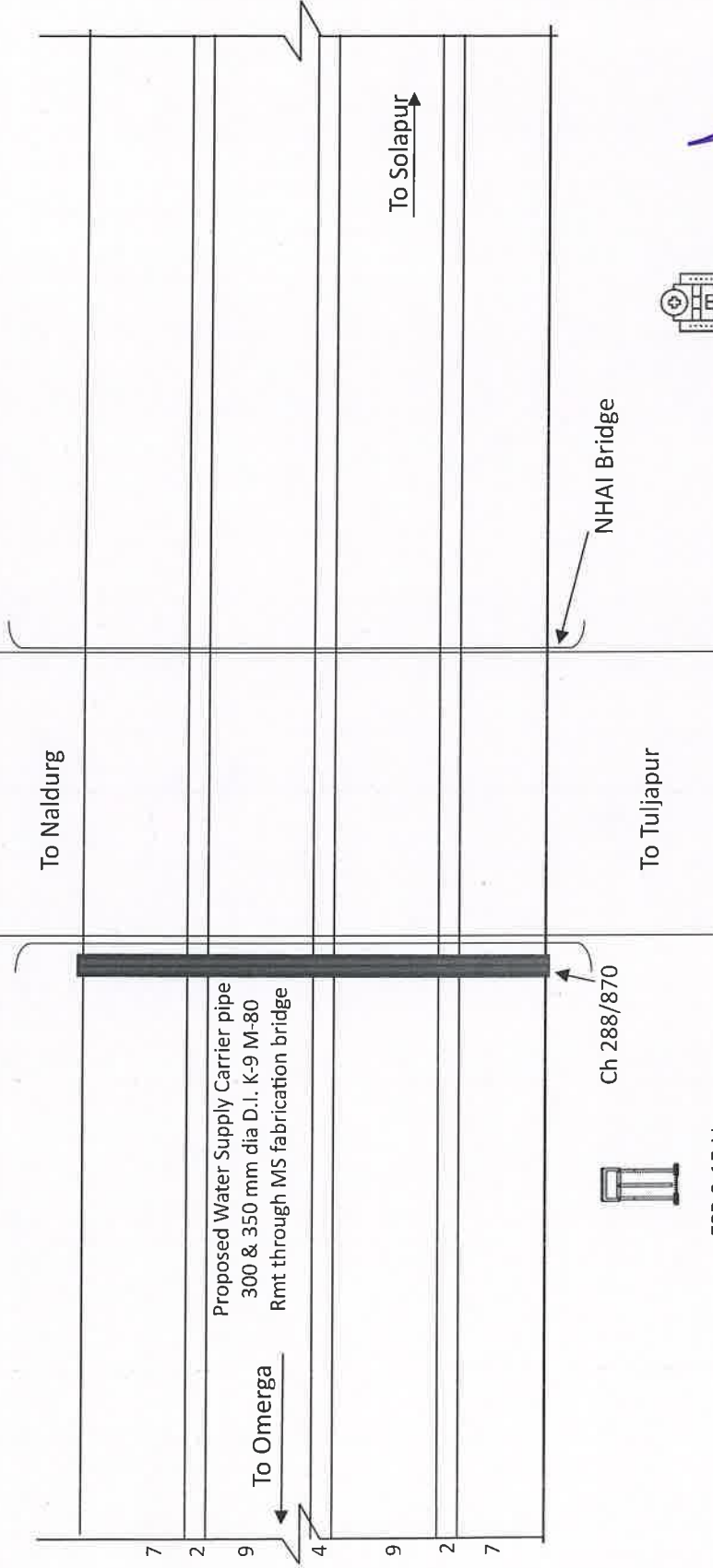
- i) Water pipe line will not have any deleterious effects on any of bridge components & roadway safety for traffic.
- ii) For 6 – lanning, “We do undertake that we will relocate service road / approach road / utilities at our own cost notwithstanding the permission granted within such time as well as stipulated by NHAI”, for future 6- lanning or any other development.

ATAL AMRUT 2.0

MUNICIPAL COUNCIL NALDURG

NALDURG WATER SUPPLY SCHEME TQ. TULJAPUR DIST. DHARASHIV

PROPOSED PIPE LINE LAYING NH CROSSING ON NH 65



Civil Hospital

[Signature]
Municipal Engineer
Municipal Council Naldurg
Tq. Tuljapur Dist. Dharashiv

[Signature]
Municipal Engineer
Municipal Council Naldurg
Tq. Tuljapur Dist. Dharashiv

	DESIGN DOCUMENT FOR PIPEBRIDGE	Doc. No.	xx
		Rev.	00
		Date	14.08.2025

CONTENTS

SR.NO.	DESIGN ASPECT
1	<i>Preamble</i>
2	<i>Design Data</i>
3	<i>STAAD Geometry of Structure</i>
4	<i>Loading on the structure</i>
5	<i>Load Combinations</i>
6	<i>Check For Deflection</i>
7	<i>Conclusion</i>
8	<i>Footing design</i>
<i>Annex-1</i>	<i>UTILIZATION RATIO TABLE</i>
<i>Annex-2</i>	<i>STAAD.Pro Input & Output</i>

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1) PREAMBLE :

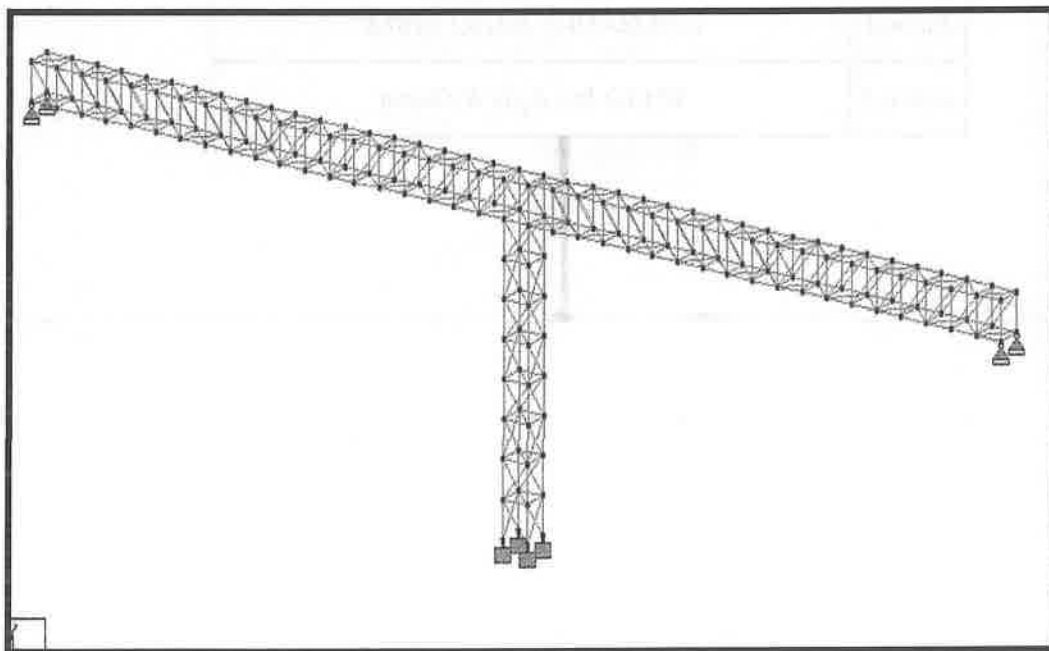
Structure for facilitating the supporting arrangement for road crossing bridge for pipe support is designed.

The superstructure proposed is of Steel Structure. All structural steel members are modelled and analysed in *STAAD.Pro* software. Members are modelled as beam / line elements in 3-D model. Loads are applied as Self weight, concentrated loads. Analysis & Design is carried out as per Indian Standards. Members are checked for various loads & combinations of loads as stated in further sections.

2) DESIGN DATA :-

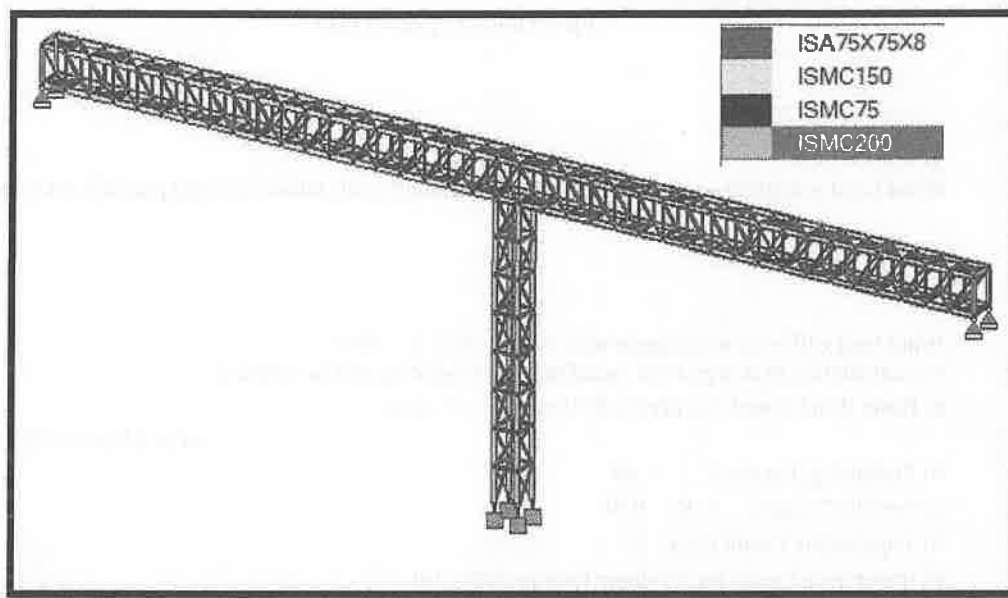
- 1) Clear Height of Structure = 8000 mm.

3) STAAD GEOMETRY OF STRUCTURE :



GEOMETRY OF STRUCTURE

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3D RENDERED VIEW OF THE STRUCTURE

4) LOADING ON THE STRUCTURE :

DEAD LOAD:

Dead load due to structural member is considered using Self weight command in dead load. 5 % is added in the self weight for connections, gusset plates, base plate etc.

PIPE EMPTY LOAD

350NB PIPE WT	=	50 kg/mtr	
(5MM THK)	=	0.050	kN/mtr
300NB PIPE WT	=	44 kg/mtr	
(5.6MM THK)	=	0.044	kN/mtr

PIPE OPERATING LOAD

350NB PIPE WT	=	(AREA OF PIPE ID x DENSITY OF WATER x UNIT LENGTH)
(345.6MM ID)		$3.14(0.345)^2 \times 1000 \times 1$
	=	374 kg/mtr
	=	0.37 kN/mtr
300NB PIPE WT	=	(AREA OF PIPE ID x DENSITY OF WATER x UNIT LENGTH)
(312.7MM ID)		$3.14(0.312)^2 \times 1000 \times 1$
		306 kg/mtr
	=	0.31 kN/mtr

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PIPE HYDROTEST LOAD

= PIPE OPERATING LOAD

WIND LOAD

Wind Load is applied on the structure as open structure with following wind pressure intensity.

Wind load will be in accordance with IS:875 (Part-3) - 2015.

For calculation of design wind speed the following data will be adopted.

a) Basic Wind Speed: As per IS: 875(part 3) = 33 m/sec

.....For AKKALKOT Location

b) Probability Factor (K_1) : 1.00

c) Terrain Category : 3 : K_2 : 0.91

d) Topography Factor (K_3) : 1.0

e) Importance Factor for Cyclonic Region (K_4) : 1.0

f) K_d = Wind directionality factor – 1.0

g) K_a = Area Averaging factor , K_a = 1.0

h) K_c =Combination Factor - 1.0

K_2 for for structure height less than 10.0 m. : 1

$$\begin{aligned}\text{Design Wind Speed } V_z &= V_b \times K_1 \times K_2 \times K_3 \times K_4 \\ &= 33 \times 1.0 \times 0.91 \times 1 \times 1 \\ &= 30.03\end{aligned}$$

$$\begin{aligned}\text{Wind Pressure } P_z &= 0.6 \times V_z^2 \\ &= 541.08054 \text{ N/m}^2\end{aligned}$$

$$\begin{aligned}\text{Design wind pressure } P_d &= K_d \times K_a \times K_c \times P_z \\ &= 1 \times 1 \times 1 \times 541.08054 \\ &= 541.08054 \text{ N/m}^2\end{aligned}$$

$$\text{Wind Load on RCC substructure} = 0.542 \text{ kN/m}^2$$

Wind load on structure is applied as open structure in STAAD

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Wind Load on Pipe

Considering Pipe Diameter(D)	=	350	mm	
Width of Pipe rack(W)	=	1.000	m	
Drag Coefficient.(Cf)	=	0.8		IS 875-2015 part 3
Design Wind Pressure(Pd)	=	0.54	kN/m ²	
Bay Spacing(L)	=	1.00	m	

Wind Load applied on Piperack in transverse	=	$P_d \times C_f \times L \times (D + 10\% \times W)$
Direction of pipe	=	0.20 kN
		Say 0.2 kN

e) Seismic Load (In X & Z dir. (SLX/SLZ)) :

For seismic load on structure following parameters were defined in the STAAD.Pro

Sesimic analysis is done by using IS 1893 Part 4:2015.

Earthquake forces will be considered as per requirment of IS 1893

For Zone II

Zone factor	Z	=	0.1
Importance Factor	I	=	1.5
Response reduction factor	R	=	4
Damping	2%	=	0.02
Subsoil Class		=	Hard Soil
Category of the Structure		=	2

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5) LOAD COMBINATIONS :

Following are the primary load cases defined in the STAAD

LOAD 1 EARTHQUAKE LOAD IN X DIR(EX)
 LOAD 2 EARTHQUAKE IN Z DIR (EZ)
 LOAD 11 LOADTYPE Dead TITLE STRUCTURE DEAD LOAD (DL)
 LOAD 21 LOADTYPE Live TITLE LIVE LOAD(IL)
 LOAD 12 PIPE EMPTY LOAD(PE)
 LOAD 13 LOADTYPE Dead TITLE PIPING OPERATING LOAD(PO)
 LOAD 14 PIPING HYDROTEST LOAD(PT)
 LOAD 31 PIPING THERMAL / FRICTION LOAD IN X-DIR (TLX)
 LOAD 32 PIPING THERMAL / FRICTION LOAD IN Z-DIR (TLZ)
 LOAD 33 PIPING THERMAL ANCHOR+GUIDE LOAD WITHOUT-FRICTION (TAX)
 LOAD 34 PIPING THERMAL ANCHOR+GUIDE LOAD WITHOUT-FRICTION (TAZ)
 LOAD 16 TEMPERATURE EXPANSION(TE)
 LOAD 17 TEMPERATURE CONTRACTION(TC)
 LOAD 41 LC LOCAL BEAM CHK
 LOAD 42 MLBP MAINTENANCE LOAD & BUNDLE PULL
 LOAD 51 WIND LOAD IN +X DIR (WX (+VE))
 LOAD 53 WIND LOAD IN -X DIR (WX (-VE))
 LOAD 52 WIND LOAD IN +Z DIR (WZ (+VE))
 LOAD 54 WIND LOAD IN -Z DIR (WZ (-VE))
 LOAD 55 WIND LOAD SUCTION IN +X DIR (WX (+VE))
 LOAD 56 WIND LOAD SUCTION IN +Z DIR (WZ (+VE))
 LOAD 57 WIND LOAD SUCTION IN -X DIR (WX (-VE))
 LOAD 58 WIND LOAD SUCTION IN -Z DIR (WZ (-VE))
 LOAD 61 LOADTYPE Live TITLE MONORAIL

Following are the load combinations defined in the STAAD

LOAD COMB 100 (+1DS +1DO +0.5LL)
 11 1.0 13 1.0 21 0.5
 LOAD COMB 101 (+1DS +1DO +1LL +1PFX +1PFZ +1PAX +1PAZ +1LC +1MLBP)
 11 1.0 13 1.0 21 1.0 31 1.0 32 1.0 33 1.0 34 1.0 41 1.0 42 1.0
 LOAD COMB 102 (+1DS +1DO +1LL +1PFX -1PFZ +1PAX -1PAZ +1LC +1MLBP)
 11 1.0 13 1.0 21 1.0 31 1.0 32 -1.0 33 1.0 34 -1.0 41 1.0 42 1.0
 LOAD COMB 103 (+1DS +1DO +1LL -1PFX +1PFZ -1PAX +1PAZ +1LC +1MLBP)
 11 1.0 13 1.0 21 1.0 31 -1.0 32 1.0 33 -1.0 34 1.0 41 1.0 42 1.0
 LOAD COMB 104 (+1DS +1DO +1LL -1PFX -1PFZ -1PAX -1PAZ +1LC +1MLBP)
 11 1.0 13 1.0 21 1.0 31 -1.0 32 -1.0 33 -1.0 34 -1.0 41 1.0 42 1.0
 LOAD COMB 111 (+1SLX +0.3SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)
 1 1.0 2 0.3 11 1.0 13 1.0 21 0.5 33 1.0 34 1.0
 LOAD COMB 112 (+1SLX -0.3SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)
 1 1.0 2 -0.3 11 1.0 13 1.0 21 0.5 33 1.0 34 -1.0
 LOAD COMB 113 (-1SLX +0.3SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)

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1 -1.0 2 0.3 11 1.0 13 1.0 21 0.5 33 -1.0 34 1.0
LOAD COMB 114 (-1SLX -0.3SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)
1 -1.0 2 -0.3 11 1.0 13 1.0 21 0.5 33 -1.0 34 -1.0
LOAD COMB 121 (+0.3SLX +1SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)
1 0.3 2 1.0 11 1.0 13 1.0 21 0.5 33 1.0 34 1.0
LOAD COMB 122 (-0.3SLX +1SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)
1 -0.3 2 1.0 11 1.0 13 1.0 21 0.5 33 -1.0 34 1.0
LOAD COMB 123 (+0.3SLX -1SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)
1 0.3 2 -1.0 11 1.0 13 1.0 21 0.5 33 1.0 34 -1.0
LOAD COMB 124 (-0.3SLX -1SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)
1 -0.3 2 -1.0 11 1.0 13 1.0 21 0.5 33 -1.0 34 -1.0
LOAD COMB 141 (+1DS +1DO +1LL +1PAX +1PAZ +1WX(+)P)
11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 51 1.0
LOAD COMB 142 (+1DS +1DO +1LL +1PAX -1PAZ +1WX(+)P)
11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 51 1.0
LOAD COMB 143 (+1DS +1DO +1LL +1PAX +1PAZ +1WZ(+)P)
11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 52 1.0
LOAD COMB 144 (+1DS +1DO +1LL -1PAX +1PAZ +1WZ(+)P)
11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 52 1.0
LOAD COMB 145 (+1DS +1DO +1LL -1PAX +1PAZ +1WX(-)P)
11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 53 1.0
LOAD COMB 146 (+1DS +1DO +1LL -1PAX -1PAZ +1WX(-)P)
11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 53 1.0
LOAD COMB 147 (+1DS +1DO +1LL +1PAX -1PAZ +1WZ(-)P)
11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 54 1.0
LOAD COMB 148 (+1DS +1DO +1LL -1PAX -1PAZ +1WZ(-)P)
11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 54 1.0
LOAD COMB 151 (+1DS +1DO +1LL +1PAX +1PAZ +1WX(+)S)
11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 55 1.0
LOAD COMB 152 (+1DS +1DO +1LL +1PAX -1PAZ +1WX(+)S)
11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 55 1.0
LOAD COMB 153 (+1DS +1DO +1LL +1PAX +1PAZ +1WZ(+)S)
11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 56 1.0
LOAD COMB 154 (+1DS +1DO +1LL -1PAX +1PAZ +1WZ(+)S)
11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 56 1.0
LOAD COMB 155 (+1DS +1DO +1LL -1PAX +1PAZ +1WX(-)S)
11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 57 1.0
LOAD COMB 156 (+1DS +1DO +1LL -1PAX -1PAZ +1WX(-)S)
11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 57 1.0
LOAD COMB 157 (+1DS +1DO +1LL +1PAX -1PAZ +1WZ(-)S)
11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 58 1.0
LOAD COMB 158 (+1DS +1DO +1LL -1PAX -1PAZ +1WZ(-)S)
11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 58 1.0
LOAD COMB 161 (+0.9DS +0.9DE +1WX(+)P)
11 0.9 12 0.9 51 1.0
LOAD COMB 162 (+0.9DS +0.9DE +1WZ(+)P)

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11 0.9 12 0.9 52 1.0
LOAD COMB 163 (+0.9DS +0.9DE +1WX(-)P)
11 0.9 12 0.9 53 1.0
LOAD COMB 164 (+0.9DS +0.9DE +1WZ(-)P)
11 0.9 12 0.9 54 1.0
LOAD COMB 171 (+0.9DS +0.9DE +1WX(+)S)
11 0.9 12 0.9 55 1.0
LOAD COMB 172 (+0.9DS +0.9DE +1WZ(+)S)
11 0.9 12 0.9 56 1.0
LOAD COMB 173 (+0.9DS +0.9DE +1WX(-)S)
11 0.9 12 0.9 57 1.0
LOAD COMB 174 (+0.9DS +0.9DE +1WZ(-)S)
11 0.9 12 0.9 58 1.0
LOAD COMB 181 (+1DS +1DT +0.75LL +0.5WX(+)P)
11 1.0 14 1.0 21 0.75 51 0.5
LOAD COMB 182 (+1DS +1DT +0.75LL +0.5WZ(+)P)
11 1.0 14 1.0 21 0.75 52 0.5
LOAD COMB 183 (+1DS +1DT +0.75LL +0.5WX(-)P)
11 1.0 14 1.0 21 0.75 53 0.5
LOAD COMB 184 (+1DS +1DT +0.75LL +0.5WZ(-)P)
11 1.0 14 1.0 21 0.75 54 0.5
LOAD COMB 191 (+1DS +1DT +0.75LL +0.5WX(+)S)
11 1.0 14 1.0 21 0.75 55 0.5
LOAD COMB 192 (+1DS +1DT +0.75LL +0.5WZ(+)S)
11 1.0 14 1.0 21 0.75 56 0.5
LOAD COMB 193 (+1DS +1DT +0.75LL +0.5WX(-)S)
11 1.0 14 1.0 21 0.75 57 0.5
LOAD COMB 194 (+1DS +1DT +0.75LL +0.5WZ(-)S)
11 1.0 14 1.0 21 0.75 58 0.5
LOAD COMB 241 (+1DS +1DO +1LL +1MLBP +0.5WX(+)P)
11 1.0 13 1.0 21 1.0 42 1.0 51 0.5
LOAD COMB 242 (+1DS +1DO +1LL +1MLBP +0.5WZ(+)P)
11 1.0 13 1.0 21 1.0 42 1.0 52 0.5
LOAD COMB 243 (+1DS +1DO +1LL +1MLBP +0.5WX(-)P)
11 1.0 13 1.0 21 1.0 42 1.0 53 0.5
LOAD COMB 244 (+1DS +1DO +1LL +1MLBP +0.5WZ(-)P)
11 1.0 13 1.0 21 1.0 42 1.0 54 0.5
LOAD COMB 251 (+1DS +1DO +1LL +1MLBP +0.5WX(+)S)
11 1.0 13 1.0 21 1.0 42 1.0 55 0.5
LOAD COMB 252 (+1DS +1DO +1LL +1MLBP +0.5WZ(+)S)
11 1.0 13 1.0 21 1.0 42 1.0 56 0.5
LOAD COMB 253 (+1DS +1DO +1LL +1MLBP +0.5WX(-)S)
11 1.0 13 1.0 21 1.0 42 1.0 57 0.5
LOAD COMB 254 (+1DS +1DO +1LL +1MLBP +0.5WZ(-)S)
11 1.0 13 1.0 21 1.0 42 1.0 58 0.5
LOAD COMB 301 (+1DS +1DO +1LL +1PFX +1PFZ +1PAX +1PAZ +1LC +1MLBP)

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11 1.0 13 1.0 21 1.0 31 1.0 32 1.0 33 1.0 34 1.0 41 1.0 42 1.0
LOAD COMB 302 (+1DS +1DO +1LL +1PFX -1PFZ +1PAX -1PAZ +1LC +1MLBP)
11 1.0 13 1.0 21 1.0 31 1.0 32 -1.0 33 1.0 34 -1.0 41 1.0 42 1.0
LOAD COMB 303 (+1DS +1DO +1LL -1PFX +1PFZ -1PAX +1PAZ +1LC +1MLBP)
11 1.0 13 1.0 21 1.0 31 -1.0 32 1.0 33 -1.0 34 1.0 41 1.0 42 1.0
LOAD COMB 304 (+1DS +1DO +1LL -1PFX -1PFZ -1PAX -1PAZ +1LC +1MLBP)
11 1.0 13 1.0 21 1.0 31 -1.0 32 -1.0 33 -1.0 34 -1.0 41 1.0 42 1.0
LOAD COMB 311 (+0.8SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
1 0.8 2 0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
LOAD COMB 312 (+0.8SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
1 0.8 2 -0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
LOAD COMB 313 (-0.8SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
1 -0.8 2 0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
LOAD COMB 314 (-0.8SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
1 -0.8 2 -0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
LOAD COMB 321 (+0.24SLX +0.8SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
1 0.24 2 0.8 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
LOAD COMB 322 (-0.24SLX +0.8SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
1 -0.24 2 0.8 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
LOAD COMB 323 (+0.24SLX -0.8SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
1 0.24 2 -0.8 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
LOAD COMB 324 (-0.24SLX -0.8SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
1 -0.24 2 -0.8 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
LOAD COMB 331 (+0.24SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
1 0.24 2 0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
LOAD COMB 332 (+0.24SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
1 0.24 2 -0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
LOAD COMB 333 (-0.24SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
1 -0.24 2 0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
LOAD COMB 334 (-0.24SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
1 -0.24 2 -0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
LOAD COMB 341 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WX(+P)
11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 51 0.8
LOAD COMB 342 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WX(+P)
11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 51 0.8
LOAD COMB 343 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WZ(+P)
11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 52 0.8
LOAD COMB 344 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WZ(+P)
11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 52 0.8
LOAD COMB 345 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WX(-P)
11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 53 0.8
LOAD COMB 346 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WX(-P)
11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 53 0.8
LOAD COMB 347 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WZ(-P)
11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 54 0.8
LOAD COMB 348 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WZ(-P)

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11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 54 0.8
LOAD COMB 351 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WX(+)S)
11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 55 0.8
LOAD COMB 352 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WX(+)S)
11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 55 0.8
LOAD COMB 353 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WZ(+)S)
11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 56 0.8
LOAD COMB 354 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WZ(+)S)
11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 56 0.8
LOAD COMB 355 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WX(-)S)
11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 57 0.8
LOAD COMB 356 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WX(-)S)
11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 57 0.8
LOAD COMB 357 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WZ(-)S)
11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 58 0.8
LOAD COMB 358 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WZ(-)S)
11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 58 0.8
LOAD COMB 361 (+0.9DS +0.9DE +1WX(+)P)
11 0.9 12 0.9 51 1.0
LOAD COMB 362 (+0.9DS +0.9DE +1WZ(+)P)
11 0.9 12 0.9 52 1.0
LOAD COMB 363 (+0.9DS +0.9DE +1WX(-)P)
11 0.9 12 0.9 53 1.0
LOAD COMB 364 (+0.9DS +0.9DE +1WZ(-)P)
11 0.9 12 0.9 54 1.0
LOAD COMB 371 (+0.9DS +0.9DE +1WX(+)S)
11 0.9 12 0.9 55 1.0
LOAD COMB 372 (+0.9DS +0.9DE +1WZ(+)S)
11 0.9 12 0.9 56 1.0
LOAD COMB 373 (+0.9DS +0.9DE +1WX(-)S)
11 0.9 12 0.9 57 1.0
LOAD COMB 374 (+0.9DS +0.9DE +1WZ(-)S)
11 0.9 12 0.9 58 1.0
LOAD COMB 381 (+1DS +1DT +0.6LL +0.4WX(+)P)
11 1.0 14 1.0 21 0.6 51 0.4
LOAD COMB 382 (+1DS +1DT +0.6LL +0.4WZ(+)P)
11 1.0 14 1.0 21 0.6 52 0.4
LOAD COMB 383 (+1DS +1DT +0.6LL +0.4WX(-)P)
11 1.0 14 1.0 21 0.6 53 0.4
LOAD COMB 384 (+1DS +1DT +0.6LL +0.4WZ(-)P)
11 1.0 14 1.0 21 0.6 54 0.4
LOAD COMB 391 (+1DS +1DT +0.6LL +0.4WX(+)S)
11 1.0 14 1.0 21 0.6 55 0.4
LOAD COMB 392 (+1DS +1DT +0.6LL +0.4WZ(+)S)
11 1.0 14 1.0 21 0.6 56 0.4
LOAD COMB 393 (+1DS +1DT +0.6LL +0.4WX(-)S)

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11 1.0 14 1.0 21 0.6 57 0.4
LOAD COMB 394 (+1DS +1DT +0.6LL +0.4WZ(-)S)
11 1.0 14 1.0 21 0.6 58 0.4
LOAD COMB 441 (+1DS +1DO +0.8LL +1MLBP +0.4WX(+P)
11 1.0 13 1.0 21 0.8 42 1.0 51 0.4
LOAD COMB 442 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(+P)
11 1.0 13 1.0 21 0.8 42 1.0 52 0.4
LOAD COMB 443 (+1DS +1DO +0.8LL +1MLBP +0.4WX(-)P)
11 1.0 13 1.0 21 0.8 42 1.0 53 0.4
LOAD COMB 444 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(-)P)
11 1.0 13 1.0 21 0.8 42 1.0 54 0.4
LOAD COMB 451 (+1DS +1DO +0.8LL +1MLBP +0.4WX(+S)
11 1.0 13 1.0 21 0.8 42 1.0 55 0.4
LOAD COMB 452 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(+S)
11 1.0 13 1.0 21 0.8 42 1.0 56 0.4
LOAD COMB 453 (+1DS +1DO +0.8LL +1MLBP +0.4WX(-)S)
11 1.0 13 1.0 21 0.8 42 1.0 57 0.4
LOAD COMB 454 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(-)S)
11 1.0 13 1.0 21 0.8 42 1.0 58 0.4
LOAD COMB 455 1.0(DL+LLCLA)
11 1.0 21 1.0 61 1.0
LOAD COMB 501 (+1.5DS +1.5DO +1.5LL+1.5PFX+1.5PFZ+1.5PAX +1.5PAZ+1.5LC +1MLBP)
11 1.5 13 1.5 21 1.5 31 1.5 32 1.5 33 1.5 34 1.5 41 1.5 42 1.0
LOAD COMB 502 (+1.5DS +1.5DO+1.5LL+1.5PFX-1.5PFZ +1.5PAX -1.5PAZ+1.5LC +1MLBP)
11 1.5 13 1.5 21 1.5 31 1.5 32 -1.5 33 1.5 34 -1.5 41 1.5 42 1.0
LOAD COMB 503 (+1.5DS +1.5DO+1.5LL-1.5PFX+1.5PFZ -1.5PAX +1.5PAZ+1.5LC +1MLBP)
11 1.5 13 1.5 21 1.5 31 -1.5 32 1.5 33 -1.5 34 1.5 41 1.5 42 1.0
LOAD COMB 504 (+1.5DS+1.5DO +1.5LL-1.5PFX-1.5PFZ -1.5PAX -1.5PAZ+1.5LC +1MLBP)
11 1.5 13 1.5 21 1.5 31 -1.5 32 -1.5 33 -1.5 34 -1.5 41 1.5 42 1.0
LOAD COMB 511 (+1.2SLX +0.36SLZ +1.2DS +1.2DO +0.6LL +1.2PAX +1.2PAZ)
1 1.2 2 0.36 11 1.2 13 1.2 21 0.6 33 1.2 34 1.2
LOAD COMB 512 (+1.2SLX -0.36SLZ +1.2DS +1.2DO +0.6LL +1.2PAX -1.2PAZ)
1 1.2 2 -0.36 11 1.2 13 1.2 21 0.6 33 1.2 34 -1.2
LOAD COMB 513 (-1.2SLX +0.36SLZ +1.2DS +1.2DO +0.6LL -1.2PAX +1.2PAZ)
1 -1.2 2 0.36 11 1.2 13 1.2 21 0.6 33 -1.2 34 1.2
LOAD COMB 514 (-1.2SLX -0.36SLZ +1.2DS +1.2DO +0.6LL -1.2PAX -1.2PAZ)
1 -1.2 2 -0.36 11 1.2 13 1.2 21 0.6 33 -1.2 34 -1.2
LOAD COMB 521 (+0.36SLX +1.2SLZ +1.2DS +1.2DO +0.6LL +1.2PAX +1.2PAZ)
1 0.36 2 1.2 11 1.2 13 1.2 21 0.6 33 1.2 34 1.2
LOAD COMB 522 (-0.36SLX +1.2SLZ +1.2DS +1.2DO +0.6LL -1.2PAX +1.2PAZ)
1 -0.36 2 1.2 11 1.2 13 1.2 21 0.6 33 -1.2 34 1.2
LOAD COMB 523 (+0.36SLX -1.2SLZ +1.2DS +1.2DO +0.6LL +1.2PAX -1.2PAZ)
1 0.36 2 -1.2 11 1.2 13 1.2 21 0.6 33 1.2 34 -1.2
LOAD COMB 524 (-0.36SLX -1.2SLZ +1.2DS +1.2DO +0.6LL -1.2PAX -1.2PAZ)
1 -0.36 2 -1.2 11 1.2 13 1.2 21 0.6 33 -1.2 34 -1.2
LOAD COMB 541 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WX(+P)

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11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 51 1.2

LOAD COMB 542 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WX(+)P)

11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 51 1.2

LOAD COMB 543 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WZ(+)P)

11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 52 1.2

LOAD COMB 544 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WZ(+)P)

11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 52 1.2

LOAD COMB 545 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WX(-)P)

11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 53 1.2

LOAD COMB 546 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WX(-)P)

11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 53 1.2

LOAD COMB 547 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WZ(-)P)

11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 54 1.2

LOAD COMB 548 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WZ(-)P)

11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 54 1.2

LOAD COMB 551 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WX(+)S)

11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 55 1.2

LOAD COMB 552 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WX(+)S)

11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 55 1.2

LOAD COMB 553 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WZ(+)S)

11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 56 1.2

LOAD COMB 554 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WZ(+)S)

11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 56 1.2

LOAD COMB 555 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WX(-)S)

11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 57 1.2

LOAD COMB 556 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WX(-)S)

11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 57 1.2

LOAD COMB 557 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WZ(-)S)

11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 58 1.2

LOAD COMB 558 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WZ(-)S)

11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 58 1.2

LOAD COMB 561 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WX(+)P)

11 1.5 13 1.5 33 1.5 34 1.5 51 1.5

LOAD COMB 562 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WX(+)P)

11 1.5 13 1.5 33 1.5 34 -1.5 51 1.5

LOAD COMB 563 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WZ(+)P)

11 1.5 13 1.5 33 1.5 34 1.5 52 1.5

LOAD COMB 564 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WZ(+)P)

11 1.5 13 1.5 33 -1.5 34 1.5 52 1.5

LOAD COMB 565 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WX(-)P)

11 1.5 13 1.5 33 -1.5 34 1.5 53 1.5

LOAD COMB 566 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WX(-)P)

11 1.5 13 1.5 33 -1.5 34 -1.5 53 1.5

LOAD COMB 567 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WZ(-)P)

11 1.5 13 1.5 33 1.5 34 -1.5 54 1.5

LOAD COMB 568 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WZ(-)P)

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11 1.5 13 1.5 33 -1.5 34 -1.5 54 1.5
LOAD COMB 571 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WX(+S)
11 1.5 13 1.5 33 1.5 34 1.5 55 1.5
LOAD COMB 572 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WX(+S)
11 1.5 13 1.5 33 1.5 34 -1.5 55 1.5
LOAD COMB 573 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WZ(+S)
11 1.5 13 1.5 33 1.5 34 1.5 56 1.5
LOAD COMB 574 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WZ(+S)
11 1.5 13 1.5 33 -1.5 34 1.5 56 1.5
LOAD COMB 575 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WX(-S)
11 1.5 13 1.5 33 -1.5 34 1.5 57 1.5
LOAD COMB 576 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WX(-S)
11 1.5 13 1.5 33 -1.5 34 -1.5 57 1.5
LOAD COMB 577 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WZ(-S)
11 1.5 13 1.5 33 1.5 34 -1.5 58 1.5
LOAD COMB 578 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WZ(-S)
11 1.5 13 1.5 33 -1.5 34 -1.5 58 1.5
LOAD COMB 581 (+1.2DS +1.2DT +0.9LL +0.9WX(+P)
11 1.2 14 1.2 21 0.9 51 0.9
LOAD COMB 582 (+1.2DS +1.2DT +0.9LL +0.9WZ(+P)
11 1.2 14 1.2 21 0.9 52 0.9
LOAD COMB 583 (+1.2DS +1.2DT +0.9LL +0.9WX(-P)
11 1.2 14 1.2 21 0.9 53 0.9
LOAD COMB 584 (+1.2DS +1.2DT +0.9LL +0.9WZ(-P)
11 1.2 14 1.2 21 0.9 54 0.9
LOAD COMB 591 (+1.2DS +1.2DT +0.9LL +0.9WX(+S)
11 1.2 14 1.2 21 0.9 55 0.9
LOAD COMB 592 (+1.2DS +1.2DT +0.9LL +0.9WZ(+S)
11 1.2 14 1.2 21 0.9 56 0.9
LOAD COMB 593 (+1.2DS +1.2DT +0.9LL +0.9WX(-S)
11 1.2 14 1.2 21 0.9 57 0.9
LOAD COMB 594 (+1.2DS +1.2DT +0.9LL +0.9WZ(-S)
11 1.2 14 1.2 21 0.9 58 0.9
LOAD COMB 641 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(+P)
11 1.2 13 1.2 21 1.2 42 1.2 51 0.6
LOAD COMB 642 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(+P)
11 1.2 13 1.2 21 1.2 42 1.2 52 0.6
LOAD COMB 643 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(-P)
11 1.2 13 1.2 21 1.2 42 1.2 53 0.6
LOAD COMB 644 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(-P)
11 1.2 13 1.2 21 1.2 42 1.2 54 0.6
LOAD COMB 651 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(+S)
11 1.2 13 1.2 21 1.2 42 1.2 55 0.6
LOAD COMB 652 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(+S)
11 1.2 13 1.2 21 1.2 42 1.2 56 0.6
LOAD COMB 653 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(-S)

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11 1.2 13 1.2 21 1.2 42 1.2 57 0.6
LOAD COMB 654 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(-)S)
11 1.2 13 1.2 21 1.2 42 1.2 58 0.6
LOAD COMB 661 (+0.9DS +0.9DE +1.5WX(+P)
11 0.9 12 0.9 51 1.5
LOAD COMB 662 (+0.9DS +0.9DE +1.5WZ(+P)
11 0.9 12 0.9 52 1.5
LOAD COMB 663 (+0.9DS +0.9DE +1.5WX(-)P)
11 0.9 12 0.9 53 1.5
LOAD COMB 664 (+0.9DS +0.9DE +1.5WZ(-)P)
11 0.9 12 0.9 54 1.5
LOAD COMB 671 (+0.9DS +0.9DE +1.5WX(+S)
11 0.9 12 0.9 55 1.5
LOAD COMB 672 (+0.9DS +0.9DE +1.5WZ(+S)
11 0.9 12 0.9 56 1.5
LOAD COMB 673 (+0.9DS +0.9DE +1.5WX(-)S)
11 0.9 12 0.9 57 1.5
LOAD COMB 674 (+0.9DS +0.9DE +1.5WZ(-)S)
11 0.9 12 0.9 58 1.5
LOAD COMB 675 1.5(DL+LL+CLA)
11 1.5 21 1.5 61 1.5

6) CHECK FOR DEFLECTION:

Allowable deflection = $L / 350$
= $19670 / 350$
= 22.989 mm

Actual drift from STAAD = -6.419 mm
.....(For load case 141 Node No. 345)
< 22.989 mm
.....Hence Safe

7) CONCLUSION:

Structure is Found safe for the loads mentioned in the document above & found to be OK for the operation of the equipments.

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DESIGN OF COMBINED FOOTING (F1)

a) General Data :-

Grade of Concrete	=	M 25	=	25	N/mm ²
Grade of steel	=	Fe 500	=	500	N/mm ²
Thickness of Raft / Mat	=	500	mm		
Clear cover	=	50	mm		

Soil Weight on raft is added as below :

Depth of foundation	=	1.5	m
Height of soil on raft	=	1	m
Density of Soil	=	18	kN/m ³
Pressure on raft	=	18	kN/m ²

SBC considered at founding level :-

i) Net Safe Bearing capacity	=	100.00	kN/m ²
ii) Gross SBC	=	100 + (18 x 1)	kN/m ²
	=	118.00	
iii) Modulus of Subgrade Reaction			
SBC	=	100	kN/m ²
Allowable Settlement	=	25	mm
Subgrade Modulus	=	4000	kN/m ² /m

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b) Base Pressure

Base Pressure < Gross SBC

Gross SBC for Wind & Sismic Case

= 1.25 x Net SBC + Soil Weight

= 1.25 x 100 + 18

= 143.00 kN/m²

Maximum Base Pressure in the Raft

= 65.5 kN/m²

< 143 kN/m²

HENCE SAFE

.....For 141 Load Case No.

Minimum Base Pressure in the Raft

= 4.8 kN/m²

> 0 kN/m²

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.....For 141 Load Case No.

c) Moments in X & Y Direction :-

Max / Min Moment	Plate No.	Load combination	Mx / My (kNm)	Mxy (kNm)	Total Moment (kNm)
Max Mx	340	501 (+1.5DS +1.5DO +1.5LL+1.5PFX+1.5	15.81	11.17	27
Min Mx	130	565 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +	8.64	1.13	10
Max My	73	663 (+0.9DS +0.9DE +1.5WX(-)P)	53.86	8.11	62
Min My	180	565 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +	21.99	13.16	35
Max Mxy	49	565 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +	8.22	19.34	28
Min Mxy	59	561 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +	5.37	19.50	25

d) Check for Depth:-

Moment Factor (Q)

= 3.325

Max Moment in Raft (Mmax) at Face of Column

= 62 kNm

Depth Required

= $\sqrt{\frac{M_{max} \times 10^6}{Q \times 1000}}$

= 136.55 mm

Total depth required

= 192.55 mm

Total Depth Provided

= 500 mm

Effective depth Provided

= 444.00 mm

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	DESIGN DOCUMENT FOR PIPEBRIDGE		Doc. No.	xx
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e) Reinforcement long span :-				
$A_{streqd} = \frac{0.5 \times f_{ck}}{F_y} \left[1 - \sqrt{1 - \frac{(4.6 \times B.M.) \times 10^6}{f_{ck} \times b \times d^2}} \right]$			bd	
$A_{streqd} =$			$= 325.96 \text{ mm}^2$	
Minimum percentage of steel required			$= \frac{0.12}{100} \times 1000 \times 500$	
			$= 600.00 \text{ mm}^2$	
Main Steel				
Provide 12 Y @ 150 c/c main steel at Top & bottom				
Ast Provided			$= 753.98 \text{ mm}^2$	
			$> 600 \text{ mm}^2$	
HENCE SAFE				
f) Reinforcement short span :-				
Max Moment in Raft (M _{ymax}) at Face of Column				
			$= 62 \text{ kNm}$	
$A_{streqd} = \frac{0.5 \times f_{ck}}{F_y} \left[1 - \sqrt{1 - \frac{(4.6 \times B.M.) \times 10^6}{f_{ck} \times b \times d^2}} \right]$			bd	
$A_{streqd} =$			$= 325.96 \text{ mm}^2$	
Minimum percentage of steel required			$= \frac{0.12}{100} \times 1000 \times 500.00$	
			$= 600.00 \text{ mm}^2$	
Main Steel				
Provide 12 Y @ 150 c/c main steel at Top & bottom				
Ast Provided			$= 753.98 \text{ mm}^2$	
			$> 600 \text{ mm}^2$	
HENCE SAFE				
g) Check for One Way Shear :-				
Maximum Shear Stress in Slab (τ_v) at distance 'd' from face of column			$= 0.12 \text{ N/mm}^2$	
Reinf. provided at support = Ast			$= 753.98 \text{ mm}^2$	
$\frac{100 A_{st}}{bd}$			$= 0.170$	
As per IS456, Table 19				
Perm. shear stress in concrete = τ_c			$= 0.36 \text{ N/mm}^2$	
			$< \tau_{cmax} = 3.1 \text{ N/mm}^2$	
			SAFE	
			$< \tau_v = 0.1200 \text{ N/mm}^2$	
Hence Shear Reinforcement is not required				
h) Check for Two Way Shear -				
Critical section is at distance d/2 from face of column				
τ_{c1}			$= 0.25 \times \text{sqrt}(f_{ck})$	
			$= 1.37 \text{ N/mm}^2$	
Shear resistance of concrete			$= \tau_{c1} \times A$	
Design Shear Stress (τ_v) at d/2 distance from face of column (Maximum shear in raft)			$= 0.18 \text{ N/mm}^2$	
HENCE SAFE				

DESIGN DOCUMENT FOR PIPEBRIDGE		Doc. No.	xx
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DESIGN OF COMBINED FOOTING (F2)			
a) General Data :-			
Grade of Concrete	=	M 25	= 25 N/mm ²
Grade of steel	=	Fe 500	= 500 N/mm ²
Thickness of Raft / Mat	=	500 mm	
Clear cover	=	50 mm	
Soil Weight on raft is added as below :-			
Depth of foundation	=	1.5 m	
Height of soil on raft	=	1 m	
Density of Soil	=	18 kN/m ³	
Pressure on raft	=	18 kN/m ²	
SBC considered at founding level :-			
i) Net Safe Bearing capacity	=	100.00 kN/m ²	
ii) Gross SBC	=	100 + (18 x 1)	kN/m ²
	=	118.00	
iii) Modulus of Subgrade Reaction			
SBC	=	100	kN/m ²
Allowable Settlement	=	25	mm
Subgrade Modulus	=	4000	kN/m ² /m

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b) Base Pressure

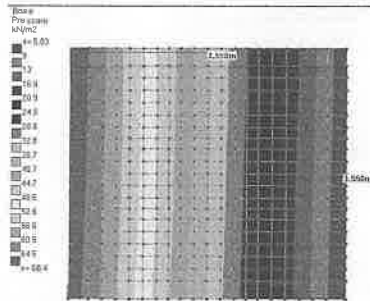
Base Pressure < Gross SBC
Gross SBC for Wind & Sismic Case

$$\begin{aligned}
 &= 1.25 \times \text{Net SBC} + \text{Soil Weight} \\
 &= 1.25 \times 100 + 18 \\
 &= 143.00 \text{ kN/m}^2
 \end{aligned}$$

Maximum Base Pressure
in the Raft

$$\begin{aligned}
 &= 63.8 \text{ kN/m}^2 \\
 &< 143 \text{ kN/m}^2 \\
 &\text{HENCE SAFE}
 \end{aligned}$$

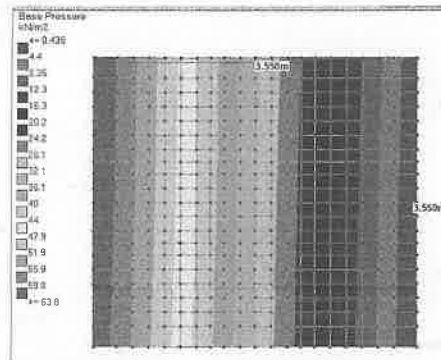
.....For 145 Load Case No.



Minimum Base Pressure
in the Raft

$$\begin{aligned}
 &= 0.438 \text{ kN/m}^2 \\
 &> 0 \text{ kN/m}^2 \\
 &\text{HENCE SAFE}
 \end{aligned}$$

.....For 163 Load Case No.



c) Moments in X & Y Direction :-

Max / Min Moment	Plate No.	Load combination	Mx / My (kNm)	Mxy (kNm)	Total Moment (kNm)
Max Mx	445	501 (+1.5DS +1.5DO +1.5LL+1.5PFX+1.5	30.12	2.47	33
Min Mx	96	561 (+1.5DS +1.5DO +1.5PAX +1.5PAZ -	16.41	2.78	19
Max My	96	663 (+0.9DS +0.9DE +1.5WX(-)P)	45.03	3.66	49
Min My	137	565 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +	30.72	2.84	34
Max Mxy	134	661 (+0.9DS +0.9DE +1.5WX(+)P)	12.45	15.44	28
Min Mxy	180	561 (+1.5DS +1.5DO +1.5PAX +1.5PAZ -	22.46	15.33	38

d) Check for Depth:-

$$\begin{aligned}
 \text{Moment Factor (Q)} &= 3.325 \\
 \text{Max Moment in Raft (Mmax) at Face of Column} &= 49 \text{ kNm}
 \end{aligned}$$

$$\text{Depth Required} = \sqrt{\frac{M_{max} \times 10^6}{Q \times 1000}}$$

$$= 121.40 \text{ mm}$$

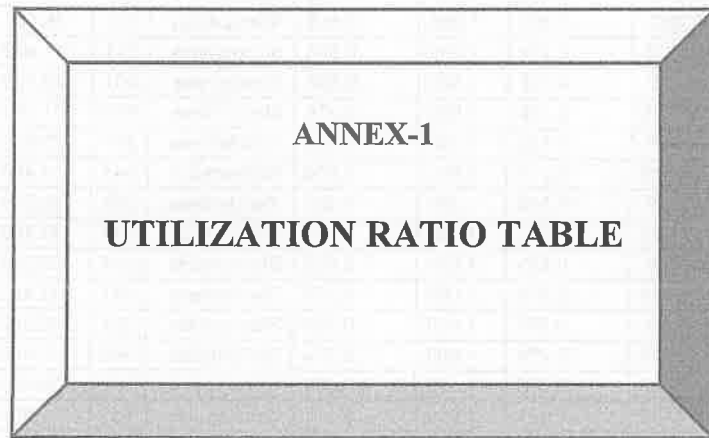
$$\text{Total depth required} = 177.40 \text{ mm}$$

$$\begin{aligned}
 \text{Total Depth Provided} &= 500 \text{ mm} \\
 \text{Effective depth Provided} &= 444.00 \text{ mm}
 \end{aligned}$$

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e) Reinforcement long span :-			
Astreqd = $\frac{0.5 \times f_{ck}}{F_y} \left(1 - \sqrt{1 - \frac{(4.6 \times B.M.) \times 10^6}{f_{ck} \times b \times d^2}} \right)$		bd	
Astreqd =		= 256.80 mm ²	
Minimum percentage of steel required		= $\frac{0.12}{100} \times 1000 \times 500$	
		= 600.00 mm ²	
Main Steel			
Provide 12 Y @ 150 c/c main steel at Top & bottom			
Ast Provided		= 753.98 mm ²	
		> 600 mm ² HENCE SAFE	
f) Reinforcement short span :-			
Max Moment in Raft (Mymax) at Face of Column		= 49 kNm	
Astreqd = $\frac{0.5 \times f_{ck}}{F_y} \left(1 - \sqrt{1 - \frac{(4.6 \times B.M.) \times 10^6}{f_{ck} \times b \times d^2}} \right)$		bd	
Astreqd =		= 256.80 mm ²	
Minimum percentage of steel required		= $\frac{0.12}{100} \times 1000 \times 500.00$	
		= 600.00 mm ²	
Main Steel			
Provide 12 Y @ 150 c/c main steel at Top & bottom			
Ast Provided		= 753.98 mm ²	
		> 600 mm ² HENCE SAFE	
g) Check for One Way Shear :-			
Maximum Shear Stress in Slab (τ _v) at distance 'd' from face of column		= 0.11 N/mm ²	
Reinf. provided at support = Ast		= 753.98 mm ²	
$\frac{100Ast}{bd}$		= 0.170	
As per IS456, Table 19			
Permn. shear stress in concrete = τ _c		= 0.38 N/mm ²	
		< τ _{cmax} = 3.1 N/mm ²	
		SAFE	
		< τ _v = 0.1100 N/mm ²	
Hence Shear Reinforcement is not required			
h) Check for Two Way Shear -			
Critical section is at distance d/2 from face of column			
τ _{c1}		= 0.25 x sqrt (f _{ck})	
		= 1.37 N/mm ²	
Shear resistance of concrete		= τ _{c1} x A	
Design Shear Stress (τ _v) at d/2 distance from face of column (Maximum shear in raft)		= 0.18 N/mm ²	
HENCE SAFE			

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Job Title

Client

Job No

Sheet No

1

Rev

Part

Ref

By

Date 20-July-25

Chd

File PIPE BRIDGER0.1.STD

Date/Time 15-Aug-2025 16:47

Utilization Ratio

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
448	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
449	ISMC200	ISMC200	0.638	1.000	0.638	Sec. 9.3.2.2	561	28.500	1.83E+3	139.000	9.830
450	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
451	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
452	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
453	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
454	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
455	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
457	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
459	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
460	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
461	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
462	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
463	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
464	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
465	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
466	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
467	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
468	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
469	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
470	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
471	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
472	ISA75X75	ISA75X75	0.171	1.000	0.171	Slenderness	501	11.400	24.300	96.064	2.432
473	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	511	11.400	24.300	96.064	2.432
474	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
475	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	511	11.400	24.300	96.064	2.432
476	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
477	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	511	11.400	24.300	96.064	2.432
478	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
479	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	511	11.400	24.300	96.064	2.432
480	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
481	ISMC200	ISMC200	0.564	1.000	0.564	Sec. 9.3.2.2	565	28.500	1.83E+3	139.000	9.830
482	ISMC200	ISMC200	0.646	1.000	0.646	Sec. 9.3.2.2	561	28.500	1.83E+3	139.000	9.830
483	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
484	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
485	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
486	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
487	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
488	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
490	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
492	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
493	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
494	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
495	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
496	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830



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Job No	Sheet No 2	Rev
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Job Title

Client

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
497	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
498	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
499	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
500	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
501	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
502	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
503	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
504	ISMC200	ISMC200	0.555	1.000	0.555	Slenderness	501	28.500	1.83E+3	139.000	9.830
505	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
506	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
507	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	513	11.400	24.300	96.064	2.432
508	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
509	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	513	11.400	24.300	96.064	2.432
510	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
511	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	513	11.400	24.300	96.064	2.432
512	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
513	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	513	11.400	24.300	96.064	2.432
514	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	661	11.400	24.300	96.064	2.432
515	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	663	11.400	24.300	96.064	2.432
516	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	661	11.400	24.300	96.064	2.432
517	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	663	11.400	24.300	96.064	2.432
518	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	541	11.400	24.300	96.064	2.432
519	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	545	11.400	24.300	96.064	2.432
520	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	541	11.400	24.300	96.064	2.432
521	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	545	11.400	24.300	96.064	2.432
522	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	541	11.400	24.300	96.064	2.432
523	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	545	11.400	24.300	96.064	2.432
524	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	541	11.400	24.300	96.064	2.432
525	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	545	11.400	24.300	96.064	2.432
526	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	541	11.400	24.300	96.064	2.432
527	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	545	11.400	24.300	96.064	2.432
528	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
529	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
530	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
531	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
532	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
533	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
534	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
535	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
536	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
537	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
538	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
539	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
540	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
541	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432



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Job Title

Client

Job No

Sheet No

3

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Date 20-July-25

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File

PIPE BRIDGER0.1.STD

Date/Time

15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
542	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
543	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
564	ISMC75	ISMC75	0.480	1.000	0.480	Sec. 9.3.1.3	561	9.100	78.000	12.800	1.570
565	ISMC150	ISMC150	0.433	1.000	0.433	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
566	ISMC150	ISMC150	0.436	1.000	0.436	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
567	ISMC150	ISMC150	0.301	1.000	0.301	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
588	ISMC75	ISMC75	0.482	1.000	0.482	Sec. 9.3.1.3	565	9.100	78.000	12.800	1.570
589	ISMC150	ISMC150	0.437	1.000	0.437	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
590	ISMC150	ISMC150	0.432	1.000	0.432	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
591	ISMC150	ISMC150	0.301	1.000	0.301	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
592	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	513	9.100	78.000	12.800	1.570
593	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
594	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
595	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
596	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	545	9.100	78.000	12.800	1.570
597	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
598	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
599	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
600	ISMC150	ISMC150	0.273	1.000	0.273	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
601	ISMC150	ISMC150	0.278	1.000	0.278	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
602	ISMC150	ISMC150	0.247	1.000	0.247	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
603	ISMC150	ISMC150	0.243	1.000	0.243	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
604	ISMC150	ISMC150	0.286	1.000	0.286	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
605	ISMC150	ISMC150	0.173	1.000	0.173	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
606	ISMC150	ISMC150	0.165	1.000	0.165	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
607	ISMC150	ISMC150	0.338	1.000	0.338	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
608	ISMC150	ISMC150	0.172	1.000	0.172	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
600	ISMC150	ISMC150	0.273	1.000	0.273	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
610	ISMC150	ISMC150	0.170	1.000	0.170	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
611	ISMC150	ISMC150	0.337	1.000	0.337	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
612	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
613	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
614	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
615	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
616	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
617	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
618	ISMC150	ISMC150	0.242	1.000	0.242	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
619	ISMC150	ISMC150	0.249	1.000	0.249	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
620	ISMC150	ISMC150	0.269	1.000	0.269	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
621	ISMC150	ISMC150	0.225	1.000	0.225	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
622	ISMC150	ISMC150	0.267	1.000	0.267	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
623	ISMC150	ISMC150	0.215	1.000	0.215	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
624	ISMC150	ISMC150	0.252	1.000	0.252	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
625	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
626	ISMC150	ISMC150	0.206	1.000	0.206	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410



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Job No

Sheet No

4

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By

Date 20-July-25

Chd

File PIPE BRIDGER0.1.STD

Date/Time 15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
627	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
628	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
629	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
630	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
631	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
632	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
633	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
634	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
635	ISMC150	ISMC150	0.207	1.000	0.207	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
636	ISMC150	ISMC150	0.214	1.000	0.214	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
637	ISMC150	ISMC150	0.276	1.000	0.276	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
638	ISMC150	ISMC150	0.228	1.000	0.228	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
639	ISMC150	ISMC150	0.259	1.000	0.259	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
640	ISMC150	ISMC150	0.220	1.000	0.220	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
641	ISMC150	ISMC150	0.261	1.000	0.261	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
642	ISMC150	ISMC150	0.198	1.000	0.198	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
643	ISMC150	ISMC150	0.231	1.000	0.231	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
644	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
645	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
646	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
647	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
648	ISMC150	ISMC150	0.235	1.000	0.235	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
649	ISMC150	ISMC150	0.242	1.000	0.242	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
650	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	511	9.100	78.000	12.800	1.570
651	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
652	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
653	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
654	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
655	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
656	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
657	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
658	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
659	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
660	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
661	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
662	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
663	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
664	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
665	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
666	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
667	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
668	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
669	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
670	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
671	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570

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Sheet No

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By

Date 20-July-25

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File

PIPE BRIDGER0.1.STD

Date/Time

15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
672	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
673	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
674	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
675	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
676	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	663	21.300	788.000	102.000	5.410
677	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	661	21.300	788.000	102.000	5.410
678	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
679	ISMC150	ISMC150	0.235	1.000	0.235	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
680	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
681	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
682	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
683	ISMC150	ISMC150	0.122	1.000	0.122	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
684	ISMC150	ISMC150	0.125	1.000	0.125	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
685	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
686	ISMC150	ISMC150	0.202	1.000	0.202	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
687	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
688	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
689	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
690	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
691	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
692	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
693	ISMC150	ISMC150	0.264	1.000	0.264	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
694	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
695	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
696	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
697	ISMC150	ISMC150	0.119	1.000	0.119	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
698	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
699	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
700	ISMC150	ISMC150	0.224	1.000	0.224	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
701	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	513	11.400	24.300	96.064	2.432
702	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	511	11.400	24.300	96.064	2.432
703	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
704	ISMC150	ISMC150	0.124	1.000	0.124	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
705	ISMC150	ISMC150	0.131	1.000	0.131	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
706	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
707	ISMC150	ISMC150	0.262	1.000	0.262	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
708	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	545	11.400	24.300	96.064	2.432
709	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	541	11.400	24.300	96.064	2.432
710	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
711	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	661	21.300	788.000	102.000	5.410
712	ISMC150	ISMC150	0.129	1.000	0.129	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
713	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
714	ISMC150	ISMC150	0.231	1.000	0.231	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
715	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
716	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432



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Date/Time 15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
717	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
718	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	661	21.300	788.000	102.000	5.410
719	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
720	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
721	ISMC150	ISMC150	0.279	1.000	0.279	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
722	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
723	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
724	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
725	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
726	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
727	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
728	ISMC150	ISMC150	0.217	1.000	0.217	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
729	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
730	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
731	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
732	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
733	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
734	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
735	ISMC150	ISMC150	0.210	1.000	0.210	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
736	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
737	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
738	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
739	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	511	21.300	788.000	102.000	5.410
740	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	513	21.300	788.000	102.000	5.410
741	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	513	9.100	78.000	12.800	1.570
742	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
743	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
744	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
745	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
746	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
747	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
748	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	541	9.100	78.000	12.800	1.570
749	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
750	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
751	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
752	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
753	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
754	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
755	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	545	9.100	78.000	12.800	1.570
756	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
757	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
758	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
759	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
760	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
761	ISMC150	ISMC150	0.205	1.000	0.205	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410

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Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
762	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	541	9.100	78.000	12.800	1.570
763	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
764	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
765	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
766	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
767	ISMC150	ISMC150	0.243	1.000	0.243	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
768	ISMC150	ISMC150	0.208	1.000	0.208	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
769	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	663	9.100	78.000	12.800	1.570
770	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
771	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
772	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
773	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
774	ISMC150	ISMC150	0.211	1.000	0.211	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
775	ISMC150	ISMC150	0.253	1.000	0.253	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
776	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	541	9.100	78.000	12.800	1.570
777	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
778	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
779	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
780	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
781	ISMC150	ISMC150	0.209	1.000	0.209	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
782	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
783	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	545	9.100	78.000	12.800	1.570
784	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
785	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
786	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
787	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
788	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
789	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
790	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	541	9.100	78.000	12.800	1.570
791	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
792	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
793	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
794	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	501	11.400	24.300	96.064	2.432
795	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
796	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
797	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	545	9.100	78.000	12.800	1.570
798	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
799	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
800	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
801	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
802	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	511	21.300	788.000	102.000	5.410
803	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	513	21.300	788.000	102.000	5.410
804	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	511	9.100	78.000	12.800	1.570
805	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
806	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432



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Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
807	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
808	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
809	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
810	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
811	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
812	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
813	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
814	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
815	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
816	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
817	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
818	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
819	ISMC150	ISMC150	0.243	1.000	0.243	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
820	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
821	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
822	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
823	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
824	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	663	21.300	788.000	102.000	5.410
825	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
826	ISMC150	ISMC150	0.251	1.000	0.251	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
827	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
828	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
829	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
830	ISMC150	ISMC150	0.130	1.000	0.130	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
831	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	663	21.300	788.000	102.000	5.410
832	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
833	ISMC150	ISMC150	0.271	1.000	0.271	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
834	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
835	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
836	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
837	ISMC150	ISMC150	0.132	1.000	0.132	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
838	ISMC150	ISMC150	0.122	1.000	0.122	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
839	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
840	ISMC150	ISMC150	0.227	1.000	0.227	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
841	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	545	11.400	24.300	96.064	2.432
842	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	541	11.400	24.300	96.064	2.432
843	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
844	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
845	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
846	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
847	ISMC150	ISMC150	0.269	1.000	0.269	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
848	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	513	11.400	24.300	96.064	2.432
849	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	511	11.400	24.300	96.064	2.432
850	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
851	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410



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Job Title

Client

Job No

Sheet No

9

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Ref

By

Date 20-July-25

Chd

File PIPE BRIDGER0.1.STD

Date/Time 15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
852	ISMC150	ISMC150	0.118	1.000	0.118	Slenderness	501	21.300	788.000	102.000	5.410
853	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
854	ISMC150	ISMC150	0.218	1.000	0.218	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
855	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
856	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
857	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
858	ISMC150	ISMC150	0.125	1.000	0.125	Sec. 9.3.1.3	561	21.300	788.000	102.000	5.410
859	ISMC150	ISMC150	0.120	1.000	0.120	Sec. 9.3.1.3	565	21.300	788.000	102.000	5.410
860	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
861	ISMC150	ISMC150	0.254	1.000	0.254	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
862	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
863	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
864	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
865	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	663	21.300	788.000	102.000	5.410
866	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	661	21.300	788.000	102.000	5.410
867	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
868	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
869	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
870	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
871	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	663	11.400	24.300	96.064	2.432
872	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
873	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
874	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
875	ISMC150	ISMC150	0.208	1.000	0.208	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
876	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
877	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
878	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	661	11.400	24.300	96.064	2.432
879	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	545	21.300	788.000	102.000	5.410
880	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	541	21.300	788.000	102.000	5.410
881	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
882	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
883	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
884	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
885	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
886	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
887	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
888	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	501	9.100	78.000	12.800	1.570
889	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410
890	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
891	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
892	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	541	11.400	24.300	96.064	2.432
893	ISMC150	ISMC150	0.246	1.000	0.246	Sec. 9.3.2.2	565	21.300	788.000	102.000	5.410
894	ISMC150	ISMC150	0.234	1.000	0.234	Sec. 9.3.2.2	561	21.300	788.000	102.000	5.410
895	ISMC75	ISMC75	0.337	1.000	0.337	Slenderness	513	9.100	78.000	12.800	1.570
896	ISMC150	ISMC150	0.189	1.000	0.189	Slenderness	501	21.300	788.000	102.000	5.410



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Job No	Sheet No 10	Rev
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By	Date 20-July-25	Chd
File	PIPE BRIDGER0.1.STD	Date/Time 15-Aug-2025 16:47

Job Title

Client

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
897	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
898	ISA75X75	ISA75X75	0.381	1.000	0.381	Slenderness	501	11.400	24.300	96.064	2.432
899	ISA75X75	ISA75X75	0.274	1.000	0.274	Slenderness	545	11.400	24.300	96.064	2.432
900	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
901	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
902	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
903	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
904	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
905	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	513	11.400	24.300	96.064	2.432
906	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
907	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	513	11.400	24.300	96.064	2.432
908	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
909	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	513	11.400	24.300	96.064	2.432
910	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	541	11.400	24.300	96.064	2.432
911	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	545	11.400	24.300	96.064	2.432
912	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	541	11.400	24.300	96.064	2.432
913	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	663	11.400	24.300	96.064	2.432
914	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	513	11.400	24.300	96.064	2.432
915	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
916	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
917	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
918	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
919	ISA75X75	ISA75X75	0.387	1.000	0.387	Slenderness	501	11.400	24.300	96.064	2.432
920	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
921	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
922	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
923	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
924	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
925	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
926	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	513	11.400	24.300	96.064	2.432
927	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
928	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	513	11.400	24.300	96.064	2.432
929	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
930	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	545	11.400	24.300	96.064	2.432
931	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	541	11.400	24.300	96.064	2.432
932	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	545	11.400	24.300	96.064	2.432
933	ISA75X75	ISA75X75	0.246	1.000	0.246	Slenderness	501	11.400	24.300	96.064	2.432
934	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
935	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	513	11.400	24.300	96.064	2.432
936	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
937	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
938	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
939	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	661	11.400	24.300	96.064	2.432
940	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	661	11.400	24.300	96.064	2.432
941	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	661	11.400	24.300	96.064	2.432



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11

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Date20-July-25

Chd

File PIPE BRIDGER0.1.STD

Date/Time 15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
942	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
943	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
944	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
945	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
946	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	511	11.400	24.300	96.064	2.432
947	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	501	11.400	24.300	96.064	2.432
948	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
949	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
950	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
951	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
952	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
953	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
954	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
955	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
956	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
957	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
958	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	501	11.400	24.300	96.064	2.432
959	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
960	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
961	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
962	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
963	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
964	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
965	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
966	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
967	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
968	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	661	11.400	24.300	96.064	2.432
969	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	661	11.400	24.300	96.064	2.432
970	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	661	11.400	24.300	96.064	2.432
971	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
972	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
973	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
974	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
975	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	511	11.400	24.300	96.064	2.432
976	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	501	11.400	24.300	96.064	2.432
977	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	501	11.400	24.300	96.064	2.432
978	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
979	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
980	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
981	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	663	11.400	24.300	96.064	2.432
982	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
983	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
984	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
985	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	545	11.400	24.300	96.064	2.432
986	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	513	11.400	24.300	96.064	2.432

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CONNECTED User: user@edu Non commercial

Job No

Sheet No

12

Rev

Part

Job Title

Ref

By

Date 20-July-25

Chd

Client

File PIPE BRIDGER0.1.STD

Date/Time 15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
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993	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	661	11.400	24.300	96.064	2.432
994	ISA75X75	ISA75X75	0.548	1.000	0.548	Slenderness	541	11.400	24.300	96.064	2.432
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1031	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432



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Job Title

Client

Job No

Sheet No

13

Rev

Part

Ref

By

Date 20-July-25

Chd

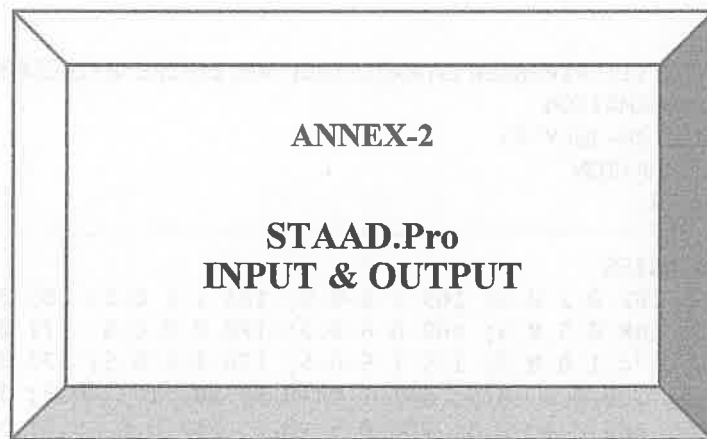
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Date/Time 15-Aug-2025 16:47

Utilization Ratio Cont...

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (cm ²)	Iz (cm ⁴)	Iy (cm ⁴)	Ix (cm ⁴)
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1038	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
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1042	ISA75X75	ISA75X75	0.242	1.000	0.242	Slenderness	501	11.400	24.300	96.064	2.432
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1044	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	545	11.400	24.300	96.064	2.432
1045	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	511	11.400	24.300	96.064	2.432
1046	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
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1060	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432
1061	ISA75X75	ISA75X75	0.394	1.000	0.394	Slenderness	501	11.400	24.300	96.064	2.432

	DESIGN DOCUMENT FOR PIPEBRIDGE	Doc. No.	xx
		Rev.	00
		Date	14.08.2025



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*          Version  22.12.00.142
*          Proprietary Program of
*          Bentley Systems, Inc.
*          Date=    AUG 15, 2025
*          Time=    16:50: 4
*
*  Licensed to:
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1. STAAD SPACE

INPUT FILE: E:\PROJECT\11.PIPERACK\STAAD\STEEL\R0.1\PIPE BRIDGER0.1.STD

2. START JOB INFORMATION

3. ENGINEER DATE 20-JULY-25

4. END JOB INFORMATION

5. INPUT WIDTH 79

6. UNIT METER KN

7. JOINT COORDINATES

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116. 864 353 255; 865 354 357; 866 355 358; 867 354 355; 868 356 359; 869 354 356
117. 870 355 256; 871 356 256; 872 357 360; 873 358 361; 874 357 358; 875 359 362
118. 876 357 359; 877 358 257; 878 359 257; 879 360 363; 880 361 364; 881 360 361
119. 882 362 365; 883 360 362; 884 361 258; 885 362 258; 886 363 366; 887 364 367
120. 888 363 364; 889 365 368; 890 363 365; 891 364 259; 892 365 259; 893 366 217
121. 894 367 218; 895 366 367; 896 368 219; 897 366 368; 898 367 260; 899 368 260
122. 900 191 312; 901 312 310; 902 310 306; 903 306 304; 904 304 300; 905 300 298
123. 906 298 294; 907 294 292; 908 292 288; 909 288 286; 910 286 282; 911 282 280
124. 912 280 276; 913 276 274; 914 274 270; 915 270 268; 916 268 264; 917 264 262
125. 918 262 205; 919 191 171; 920 171 316; 921 316 318; 922 318 322; 923 322 324
126. 924 324 328; 925 328 330; 926 330 334; 927 334 336; 928 336 340; 929 340 342
127. 930 342 346; 931 346 348; 932 348 352; 933 352 354; 934 354 358; 935 358 360

128. 936 360 364; 937 364 366; 938 366 218; 939 207 261; 940 263 264; 941 266 267
 129. 942 269 270; 943 272 273; 944 275 276; 945 278 279; 946 281 282; 947 284 285
 130. 948 221 312; 949 314 309; 950 311 306; 951 308 303; 952 305 300; 953 302 297
 131. 954 299 294; 955 296 291; 956 293 288; 957 290 285; 958 287 288; 959 223 315
 132. 960 317 318; 961 320 321; 962 323 324; 963 326 327; 964 329 330; 965 332 333
 133. 966 335 336; 967 338 339; 968 219 366; 969 368 363; 970 365 360; 971 362 357
 134. 972 359 354; 973 356 351; 974 353 348; 975 350 345; 976 347 342; 977 344 339
 135. 978 341 342; 979 208 262; 980 242 265; 981 241 268; 982 240 271; 983 239 274
 136. 984 238 277; 985 237 280; 986 236 283; 987 235 286; 988 222 313; 989 225 310
 137. 990 226 307; 991 227 304; 992 228 301; 993 229 298; 994 230 295; 995 231 292
 138. 996 232 289; 997 233 286; 998 234 289; 999 224 316; 1000 243 319; 1001 244

322

139. 1002 245 325; 1003 246 328; 1004 247 331; 1005 248 334; 1006 249 337
 140. 1007 250 340; 1008 220 367; 1009 260 364; 1010 259 361; 1011 258 358
 141. 1012 257 355; 1013 256 352; 1014 255 349; 1015 254 346; 1016 253 343
 142. 1017 252 340; 1018 251 343; 1019 221 171; 1020 223 189; 1021 222 173
 143. 1022 224 191; 1023 222 314; 1024 314 226; 1025 226 308; 1026 308 228
 144. 1027 228 302; 1028 302 230; 1029 230 296; 1030 296 232; 1031 232 290
 145. 1032 290 234; 1033 234 284; 1034 284 236; 1035 236 278; 1036 278 238
 146. 1037 238 272; 1038 272 240; 1039 240 266; 1040 266 242; 1041 242 207
 147. 1042 222 223; 1043 223 243; 1044 243 320; 1045 320 245; 1046 245 326
 148. 1047 326 247; 1048 247 332; 1049 332 249; 1050 249 338; 1051 338 251
 149. 1052 251 344; 1053 344 253; 1054 253 350; 1055 350 255; 1056 255 356
 150. 1057 356 257; 1058 257 362; 1059 362 259; 1060 259 368; 1061 368 220

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151. START GROUP DEFINITION

152. FLOOR

153. END GROUP DEFINITION

** WARNING: NO VALID GROUPS IN GROUP DEFINITION DATA **

154. START USER TABLE

155. END

156. DEFINE MATERIAL START

157. ISOTROPIC STEEL

158. E 2.05E+08

159. POISSON 0.3

160. DENSITY 76.8195

161. ALPHA 1.2E-05

162. DAMP 0.03

163. G 7.88462E+07

164. TYPE STEEL

165. STRENGTH RY 1.5 RT 1.2

166. END DEFINE MATERIAL

167. MEMBER PROPERTY INDIAN

168. 460 462 464 466 468 470 472 TO 480 493 495 497 499 501 503 505 TO 543 593 -

169. 594 TO 595 597 TO 599 652 TO 654 659 TO 661 666 TO 668 673 TO 675 680 TO 682

170. 687 TO 689 694 TO 696 701 TO 703 708 TO 710 715 TO 717 722 TO 724 -

171. 729 TO 731 736 TO 738 743 TO 745 750 TO 752 757 TO 759 764 TO 766 -

172. 771 TO 773 778 TO 780 785 TO 787 792 TO 794 799 TO 801 806 TO 808 -
173. 813 TO 815 820 TO 822 827 TO 829 834 TO 836 841 TO 843 848 TO 850 -
174. 855 TO 857 862 TO 864 869 TO 871 876 TO 878 883 TO 885 890 TO 892 -
175. 897 TO 1061 TABLE ST ISA75X75X8
176. 565 TO 567 589 TO 591 600 TO 649 651 655 656 658 662 663 665 669 670 672 676

177. 677 679 683 684 686 690 691 693 697 698 700 704 705 707 711 712 714 718 719

178. 721 725 726 728 732 733 735 739 740 742 746 747 749 753 754 756 760 761 763

179. 767 768 770 774 775 777 781 782 784 788 789 791 795 796 798 802 803 805 809

180. 810 812 816 817 819 823 824 826 830 831 833 837 838 840 844 845 847 851 852

181. 854 858 859 861 865 866 868 872 873 875 879 880 882 886 887 889 893 894 -

182. 896 TABLE ST ISMC150

183. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748

184. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881

185. 888 895 TABLE ST ISMC75

186. 448 TO 455 457 459 461 463 465 467 469 471 481 TO 488 490 492 494 496 498 -

187. 500 502 504 TABLE ST ISMC200

188. CONSTANTS

189. BETA 90 MEMB 448 TO 455 457 459 461 463 465 467 469 471 481 TO 488 490 492 -

190. 494 496 498 500 502 504 593 594 597 598

191. MATERIAL STEEL ALL

192. MEMBER RELEASE

193. 460 462 464 466 468 470 472 493 495 497 499 501 503 505 514 TO 527 593 594 -

194. 597 598 652 653 659 660 666 667 673 674 680 681 687 688 694 695 701 702 708

195. 709 715 716 722 723 729 730 736 737 743 744 750 751 757 758 764 765 771 772

196. 778 779 785 786 792 793 799 800 806 807 813 814 820 821 827 828 834 835 841

197. 842 848 849 855 856 862 863 869 870 876 877 883 884 890 891 897 -

198. 898 START MY MZ

199. 457 459 460 462 464 466 468 470 472 490 492 493 495 497 499 501 503 505 514

200. 515 TO 527 593 594 597 598 652 653 659 660 666 667 673 674 680 681 687 688 -

201. 694 695 701 702 708 709 715 716 722 723 729 730 736 737 743 744 750 751 757

202. 758 764 765 771 772 778 779 785 786 792 793 799 800 806 807 813 814 820 821

203. 827 828 834 835 841 842 848 849 855 856 862 863 869 870 876 877 883 884 890

204. 891 897 898 END MY MZ

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205. MEMBER TRUSS

206. 473 TO 480 506 TO 513 528 TO 543 900 TO 1061
207. SUPPORTS
208. 161 163 179 181 FIXED
209. 205 206 217 218 PINNED
210. DEFINE WIND LOAD

*** NOTE: If any floor diaphragm is present in the model Wind Load definition should be defined after Floor Diaphragm definition. Otherwise wind load generation may be unsuccessful during analysis.

211. TYPE 1 WIND 1
212. INT 0.542 0.542 HEIG 0 10
213. EXP 1 JOINT 161 TO 196 205 TO 208 217 TO 368
214. DEFINE REFERENCE LOADS
215. LOAD R1 LOADTYPE MASS TITLE REF MASS MODEL
216. SELFWEIGHT X 1.05
217. SELFWEIGHT Y 1.05
218. SELFWEIGHT Z 1.05
219. MEMBER LOAD
220. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
221. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
222. 888 895 CON GX 0.37 0.3
223. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
224. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
225. 888 895 CON GY 0.37 0.3
226. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
227. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
228. 888 895 CON GZ 0.37 0.3
229. MEMBER LOAD
230. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
231. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
232. 888 895 CON GX 0.306 0.7
233. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
234. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
235. 888 895 CON GY 0.306 0.7
236. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
237. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
238. 888 895 CON GZ 0.306 0.7

239. END DEFINE REFERENCE LOADS

*** NOTE: MASS MODEL FORMED WILL BE USED IN SEISMIC/RESPONSE/TIME HISTORY
LOADING, IF ANY.

IF MASS MODEL IS SEPARATELY PROVIDED IN INDIVIDUAL LOADING, THE
GENERATED MASS

WILL BE REPLACED BY THE MASS PROVIDED IN INDIVIDUAL LOADING.

240. DEFINE IS1893 2015 LOAD PART4

241. ZONE 0.1 RF 4 I 1.5 SS 1 ST 2 DM 0.02

242. REFERENCE LOAD Y

*** NOTE: SEISMIC WEIGHT TABLE IS PRESENT. THIS WEIGHT TABLE
WILL BE CONSIDERED IN STATIC SEISMIC ANALYSIS.

243. R1 1.0

244. LOAD 1 EARTHQUAKE LOAD IN X DIR(EX)

245. 1893 LOAD X 1

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246. *****

247. LOAD 2 EARTHQUAKE IN Z DIR (EZ)

248. 1893 LOAD Z 1

249. *****

250. *LOAD 3 EARTHQUAKE IN Y DIR (EY)

251. *****

252. LOAD 11 LOADTYPE DEAD TITLE STRUCTURE DEAD LOAD (DL)

253. SELFWEIGHT Y -1.05

254. *****

255. *****

256. LOAD 21 LOADTYPE LIVE TITLE LIVE LOAD(IL)

257. *****LIVE LOAD ON PURLIN*****

258. *****LIVE LOAD ON END PURLIN*****

259. *****

260. *****

261. *****

262. LOAD 12 PIPE EMPTY LOAD(PE)

263. MEMBER LOAD

264. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748

265. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881

266. 888 895 CON GY -0.05 0.3

267. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748

268. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881

269. 888 895 CON GY -0.044 0.7

270. *****

271. *****

272. LOAD 13 LOADTYPE DEAD TITLE PIPING OPERATING LOAD(PO)
 273. *****
 274. MEMBER LOAD
 275. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
 -
 276. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
 -
 277. 888 895 CON GY -0.37 0.3
 278. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
 -
 279. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
 -
 280. 888 895 CON GY -0.306 0.7
 281. *****
 282. LOAD 14 PIPING HYDROTEST LOAD(PT)
 283. *****
 284. MEMBER LOAD
 285. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
 -
 286. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
 -
 287. 888 895 CON GY -0.37 0.3
 288. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
 -
 289. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
 -
 290. 888 895 CON GY -0.306 0.7
 291. *****
 292. LOAD 31 PIPING THERMAL / FRICTION LOAD IN X-DIR (TLX)
 293. *****
 294. *****
 295. LOAD 32 PIPING THERMAL / FRICTION LOAD IN Z-DIR (TLZ)
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 296. *****
 297. MEMBER LOAD
 298. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
 -
 299. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
 -
 300. 888 895 CON GZ -0.037 0.3
 301. 564 588 592 596 650 657 664 671 678 685 692 699 706 713 720 727 734 741 748
 -
 302. 755 762 769 776 783 790 797 804 811 818 825 832 839 846 853 860 867 874 881
 -
 303. 888 895 CON GZ -0.0306 0.7
 304. *****
 305. LOAD 33 PIPING THERMAL ANCHOR+GUIDE LOAD WITHOUT-FRICTION (TAX)
 306. *****
 307. *****

308. LOAD 34 PIPING THERMAL ANCHOR+GUIDE LOAD WITHOUT-FRICTION (TAZ)
 309. *****
 310. *****
 311. LOAD 16 TEMPERATURE EXPANSION(TE)
 312. *****
 313. *****
 314. LOAD 17 TEMPERATURE CONTRACTION(TC)
 315. *****
 316. *****
 317. LOAD 41 LC LOCAL BEAM CHK
 318. *****
 319. *****
 320. LOAD 42 MLBP MAINTENANCE LOAD & BUNDLE PULL
 321. *****
 322. *****
 323. LOAD 51 WIND LOAD IN +X DIR (WX (+VE))
 324. WIND LOAD X 1.9 TYPE 1 XR 0 0.1 YR 0 10 ZR -50 50 OPEN
 325. WIND LOAD X 1.9 TYPE 1 XR 0.9 1.1 YR 0 10 ZR -22 22 OPEN
 326. JOINT LOAD
 327. 171 189 205 217 261 264 267 270 273 276 279 282 285 288 291 294 297 300 303
 328. 306 309 312 315 318 321 324 327 330 333 336 339 342 345 348 351 354 357 360
 329. 363 366 FX 0.2
 330. *****
 331. LOAD 53 WIND LOAD IN -X DIR (WX (-VE))
 332. WIND LOAD X -1.9 TYPE 1 XR 0 0.1 YR 0 10 ZR -22 22 OPEN
 333. WIND LOAD X -1.9 TYPE 1 XR 0.9 1.1 YR 0 10 ZR -22 22 OPEN
 334. JOINT LOAD
 335. 173 191 206 218 262 265 268 271 274 277 280 283 286 289 292 295 298 301 304
 336. 307 310 313 316 319 322 325 328 331 334 337 340 343 346 349 352 355 358 361
 337. 364 367 FX -0.2
 338. *****
 339. LOAD 52 WIND LOAD IN +Z DIR (WZ (+VE))

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340. WIND LOAD Z 1.9 TYPE 1 XR 0 1 YR 0 8 ZR 0.4 0.6 OPEN
 341. WIND LOAD Z 1.9 TYPE 1 XR 0 1 YR 0 8 ZR -0.6 -0.4 OPEN
 342. *****
 343. *****
 344. *****
 345. LOAD 54 WIND LOAD IN -Z DIR (WZ (-VE))
 346. WIND LOAD Z -1.9 TYPE 1 XR 0 1 YR 0 8 ZR 0.4 0.6 OPEN
 347. WIND LOAD Z -1.9 TYPE 1 XR 0 1 YR 0 8 ZR -0.6 -0.4 OPEN
 348. LOAD 55 WIND LOAD SUCTION IN +X DIR (WX (+VE))
 349. *****
 350. WIND LOAD X 1.9 TYPE 1 XR 0 0.1 YR 0 10 ZR -50 50 OPEN
 351. WIND LOAD X 1.9 TYPE 1 XR 0.9 1.1 YR 0 10 ZR -22 22 OPEN

352. JOINT LOAD

353. 171 189 205 217 261 264 267 270 273 276 279 282 285 288 291 294 297 300 303

354. 306 309 312 315 318 321 324 327 330 333 336 339 342 345 348 351 354 357 360

355. 363 366 FX 0.2

356. *****

357. *****

358. LOAD 56 WIND LOAD SUCTION IN +Z DIR (WZ (+VE))

359. *****

360. WIND LOAD Z 1.9 TYPE 1 XR 0 1 YR 0 8 ZR 0.4 0.6 OPEN

361. WIND LOAD Z 1.9 TYPE 1 XR 0 1 YR 0 8 ZR -0.6 -0.4 OPEN

362. *****

363. LOAD 57 WIND LOAD SUCTION IN -X DIR (WX (-VE))

364. *****

365. WIND LOAD X -1.9 TYPE 1 XR 0 0.1 YR 0 10 ZR -22 22 OPEN

366. WIND LOAD X -1.9 TYPE 1 XR 0.9 1.1 YR 0 10 ZR -22 22 OPEN

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367. JOINT LOAD

368. 173 191 206 218 262 265 268 271 274 277 280 283 286 289 292 295 298 301 304

369. 307 310 313 316 319 322 325 328 331 334 337 340 343 346 349 352 355 358 361

370. 364 367 FX -0.2

371. *****

372. LOAD 58 WIND LOAD SUCTION IN -Z DIR (WZ (-VE))

373. WIND LOAD Z -1.9 TYPE 1 XR 0 1 YR 0 8 ZR 0.4 0.6 OPEN

374. WIND LOAD Z -1.9 TYPE 1 XR 0 1 YR 0 8 ZR -0.6 -0.4 OPEN

375. LOAD 61 LOADTYPE LIVE TITLE MONORAIL

376. *****

377. *****LOAD

COMBINATIONS*****

378.

379. **SERVICEABILITY LOAD COMBINATION FOR FOUNDATION SIZING: 100 TO 454

380. **STRENGTH DESIGN LOAD COMB. FOR STRUCTURAL STEEL/CONCRETE DESIGN: 501 TO

674

381. **LOAD COMBINATION FOR REINFORCEMENT DESIGN: 2001 TO 2381

382.

383. LOAD COMB 100 (+1DS +1DO +0.5LL)

384. 11 1.0 13 1.0 21 0.5

385. LOAD COMB 101 (+1DS +1DO +1LL +1PFX +1PFZ +1PAX +1PAZ +1LC +1MLBP)

386. 11 1.0 13 1.0 21 1.0 31 1.0 32 1.0 33 1.0 34 1.0 41 1.0 42 1.0

387. LOAD COMB 102 (+1DS +1DO +1LL +1PFX -1PFZ +1PAX -1PAZ +1LC +1MLBP)

388. 11 1.0 13 1.0 21 1.0 31 1.0 32 -1.0 33 1.0 34 -1.0 41 1.0 42 1.0

389. LOAD COMB 103 (+1DS +1DO +1LL -1PFX +1PFZ -1PAX +1PAZ +1LC +1MLBP)

390. 11 1.0 13 1.0 21 1.0 31 -1.0 32 1.0 33 -1.0 34 1.0 41 1.0 42 1.0

391. LOAD COMB 104 (+1DS +1DO +1LL -1PFX -1PFZ -1PAX -1PAZ +1LC +1MLBP)

392. 11 1.0 13 1.0 21 1.0 31 -1.0 32 -1.0 33 -1.0 34 -1.0 41 1.0 42 1.0
 393. LOAD COMB 111 (+1SLX +0.3SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)
 394. 1 1.0 2 0.3 11 1.0 13 1.0 21 0.5 33 1.0 34 1.0
 395. LOAD COMB 112 (+1SLX -0.3SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)
 396. 1 1.0 2 -0.3 11 1.0 13 1.0 21 0.5 33 1.0 34 -1.0
 397. LOAD COMB 113 (-1SLX +0.3SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)
 398. 1 -1.0 2 0.3 11 1.0 13 1.0 21 0.5 33 -1.0 34 1.0
 399. LOAD COMB 114 (-1SLX -0.3SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)
 400. 1 -1.0 2 -0.3 11 1.0 13 1.0 21 0.5 33 -1.0 34 -1.0
 401. *LOAD COMB 115 (+1SLX +0.3SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)
 402. *1 1.0 2 0.3 11 1.0 13 1.0 21 0.5 33 1.0 34 1.0
 403. *LOAD COMB 116 (+1SLX -0.3SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)
 404. *1 1.0 2 -0.3 11 1.0 13 1.0 21 0.5 33 1.0 34 -1.0
 405. *LOAD COMB 117 (-1SLX +0.3SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)
 406. *1 -1.0 2 0.3 11 1.0 13 1.0 21 0.5 33 -1.0 34 1.0
 407. *LOAD COMB 118 (-1SLX -0.3SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)
 408. *1 -1.0 2 -0.3 11 1.0 13 1.0 21 0.5 33 -1.0 34 -1.0
 409. LOAD COMB 121 (+0.3SLX +1SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)
 410. 1 0.3 2 1.0 11 1.0 13 1.0 21 0.5 33 1.0 34 1.0
 411. LOAD COMB 122 (-0.3SLX +1SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)
 412. 1 -0.3 2 1.0 11 1.0 13 1.0 21 0.5 33 -1.0 34 1.0
 413. LOAD COMB 123 (+0.3SLX -1SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)

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414. 1 0.3 2 -1.0 11 1.0 13 1.0 21 0.5 33 1.0 34 -1.0
 415. LOAD COMB 124 (-0.3SLX -1SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)
 416. 1 -0.3 2 -1.0 11 1.0 13 1.0 21 0.5 33 -1.0 34 -1.0
 417. *LOAD COMB 125 (+0.3SLX +1SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)
 418. *1 0.3 2 1.0 11 1.0 13 1.0 21 0.5 33 1.0 34 1.0
 419. *LOAD COMB 126 (-0.3SLX +1SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)
 420. *1 -0.3 2 1.0 11 1.0 13 1.0 21 0.5 33 -1.0 34 1.0
 421. *LOAD COMB 127 (+0.3SLX -1SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)
 422. *1 0.3 2 -1.0 11 1.0 13 1.0 21 0.5 33 1.0 34 -1.0
 423. *LOAD COMB 128 (-0.3SLX -1SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)
 424. *1 -0.3 2 -1.0 11 1.0 13 1.0 21 0.5 33 -1.0 34 -1.0
 425. LOAD COMB 141 (+1DS +1DO +1LL +1PAX +1PAZ +1WX(+)P)
 426. 11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 51 1.0
 427. LOAD COMB 142 (+1DS +1DO +1LL +1PAX -1PAZ +1WX(+)P)
 428. 11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 51 1.0
 429. LOAD COMB 143 (+1DS +1DO +1LL +1PAX +1PAZ +1WZ(+)P)
 430. 11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 52 1.0
 431. LOAD COMB 144 (+1DS +1DO +1LL -1PAX +1PAZ +1WZ(+)P)
 432. 11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 52 1.0
 433. LOAD COMB 145 (+1DS +1DO +1LL -1PAX +1PAZ +1WX(-)P)
 434. 11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 53 1.0
 435. LOAD COMB 146 (+1DS +1DO +1LL -1PAX -1PAZ +1WX(-)P)
 436. 11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 53 1.0
 437. LOAD COMB 147 (+1DS +1DO +1LL +1PAX -1PAZ +1WZ(-)P)
 438. 11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 54 1.0
 439. LOAD COMB 148 (+1DS +1DO +1LL -1PAX -1PAZ +1WZ(-)P)

440. 11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 54 1.0
 441. LOAD COMB 151 (+1DS +1DO +1LL +1PAX +1PAZ +1WX(+)S)
 442. 11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 55 1.0
 443. LOAD COMB 152 (+1DS +1DO +1LL +1PAX -1PAZ +1WX(+)S)
 444. 11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 55 1.0
 445. LOAD COMB 153 (+1DS +1DO +1LL +1PAX +1PAZ +1WZ(+)S)
 446. 11 1.0 13 1.0 21 1.0 33 1.0 34 1.0 56 1.0
 447. LOAD COMB 154 (+1DS +1DO +1LL -1PAX +1PAZ +1WZ(+)S)
 448. 11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 56 1.0
 449. LOAD COMB 155 (+1DS +1DO +1LL -1PAX +1PAZ +1WX(-)S)
 450. 11 1.0 13 1.0 21 1.0 33 -1.0 34 1.0 57 1.0
 451. LOAD COMB 156 (+1DS +1DO +1LL -1PAX -1PAZ +1WX(-)S)
 452. 11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 57 1.0
 453. LOAD COMB 157 (+1DS +1DO +1LL +1PAX -1PAZ +1WZ(-)S)
 454. 11 1.0 13 1.0 21 1.0 33 1.0 34 -1.0 58 1.0
 455. LOAD COMB 158 (+1DS +1DO +1LL -1PAX -1PAZ +1WZ(-)S)
 456. 11 1.0 13 1.0 21 1.0 33 -1.0 34 -1.0 58 1.0
 457. LOAD COMB 161 (+0.9DS +0.9DE +1WX(+)P)
 458. 11 0.9 12 0.9 51 1.0
 459. LOAD COMB 162 (+0.9DS +0.9DE +1WZ(+)P)
 460. 11 0.9 12 0.9 52 1.0
 461. LOAD COMB 163 (+0.9DS +0.9DE +1WX(-)P)
 462. 11 0.9 12 0.9 53 1.0
 463. LOAD COMB 164 (+0.9DS +0.9DE +1WZ(-)P)
 464. 11 0.9 12 0.9 54 1.0
 465. LOAD COMB 171 (+0.9DS +0.9DE +1WX(+)S)
 466. 11 0.9 12 0.9 55 1.0
 467. LOAD COMB 172 (+0.9DS +0.9DE +1WZ(+)S)
 468. 11 0.9 12 0.9 56 1.0
 469. LOAD COMB 173 (+0.9DS +0.9DE +1WX(-)S)

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470. 11 0.9 12 0.9 57 1.0
 471. LOAD COMB 174 (+0.9DS +0.9DE +1WZ(-)S)
 472. 11 0.9 12 0.9 58 1.0
 473. LOAD COMB 181 (+1DS +1DT +0.75LL +0.5WX(+)P)
 474. 11 1.0 14 1.0 21 0.75 51 0.5
 475. LOAD COMB 182 (+1DS +1DT +0.75LL +0.5WZ(+)P)
 476. 11 1.0 14 1.0 21 0.75 52 0.5
 477. LOAD COMB 183 (+1DS +1DT +0.75LL +0.5WX(-)P)
 478. 11 1.0 14 1.0 21 0.75 53 0.5
 479. LOAD COMB 184 (+1DS +1DT +0.75LL +0.5WZ(-)P)
 480. 11 1.0 14 1.0 21 0.75 54 0.5
 481. LOAD COMB 191 (+1DS +1DT +0.75LL +0.5WX(+)S)
 482. 11 1.0 14 1.0 21 0.75 55 0.5
 483. LOAD COMB 192 (+1DS +1DT +0.75LL +0.5WZ(+)S)
 484. 11 1.0 14 1.0 21 0.75 56 0.5
 485. LOAD COMB 193 (+1DS +1DT +0.75LL +0.5WX(-)S)
 486. 11 1.0 14 1.0 21 0.75 57 0.5
 487. LOAD COMB 194 (+1DS +1DT +0.75LL +0.5WZ(-)S)

488. 11 1.0 14 1.0 21 0.75 58 0.5
 489. LOAD COMB 241 (+1DS +1DO +1LL +1MLBP +0.5WX(+)P)
 490. 11 1.0 13 1.0 21 1.0 42 1.0 51 0.5
 491. LOAD COMB 242 (+1DS +1DO +1LL +1MLBP +0.5WZ(+)P)
 492. 11 1.0 13 1.0 21 1.0 42 1.0 52 0.5
 493. LOAD COMB 243 (+1DS +1DO +1LL +1MLBP +0.5WX(-)P)
 494. 11 1.0 13 1.0 21 1.0 42 1.0 53 0.5
 495. LOAD COMB 244 (+1DS +1DO +1LL +1MLBP +0.5WZ(-)P)
 496. 11 1.0 13 1.0 21 1.0 42 1.0 54 0.5
 497. LOAD COMB 251 (+1DS +1DO +1LL +1MLBP +0.5WX(+)S)
 498. 11 1.0 13 1.0 21 1.0 42 1.0 55 0.5
 499. LOAD COMB 252 (+1DS +1DO +1LL +1MLBP +0.5WZ(+)S)
 500. 11 1.0 13 1.0 21 1.0 42 1.0 56 0.5
 501. LOAD COMB 253 (+1DS +1DO +1LL +1MLBP +0.5WX(-)S)
 502. 11 1.0 13 1.0 21 1.0 42 1.0 57 0.5
 503. LOAD COMB 254 (+1DS +1DO +1LL +1MLBP +0.5WZ(-)S)
 504. 11 1.0 13 1.0 21 1.0 42 1.0 58 0.5
 505. LOAD COMB 301 (+1DS +1DO +1LL +1PFZ +1PAX +1PAZ +1LC +1MLBP)
 506. 11 1.0 13 1.0 21 1.0 31 1.0 32 1.0 33 1.0 34 1.0 41 1.0 42 1.0
 507. LOAD COMB 302 (+1DS +1DO +1LL +1PFZ -1PAX -1PAZ +1LC +1MLBP)
 508. 11 1.0 13 1.0 21 1.0 31 1.0 32 -1.0 33 1.0 34 -1.0 41 1.0 42 1.0
 509. LOAD COMB 303 (+1DS +1DO +1LL -1PFZ +1PAX +1PAZ +1LC +1MLBP)
 510. 11 1.0 13 1.0 21 1.0 31 -1.0 32 1.0 33 -1.0 34 1.0 41 1.0 42 1.0
 511. LOAD COMB 304 (+1DS +1DO +1LL -1PFZ -1PAX -1PAZ +1LC +1MLBP)
 512. 11 1.0 13 1.0 21 1.0 31 -1.0 32 -1.0 33 -1.0 34 -1.0 41 1.0 42 1.0
 513. LOAD COMB 311 (+0.8SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
 514. 1 0.8 2 0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
 515. LOAD COMB 312 (+0.8SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
 516. 1 0.8 2 -0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
 517. LOAD COMB 313 (-0.8SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
 518. 1 -0.8 2 0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
 519. LOAD COMB 314 (-0.8SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
 520. 1 -0.8 2 -0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
 521. *LOAD COMB 315 (+0.8SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
 522. *1 0.8 2 0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
 523. *LOAD COMB 316 (+0.8SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
 524. *1 0.8 2 -0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
 525. *LOAD COMB 317 (-0.8SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)

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526. *1 -0.8 2 0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
 527. *LOAD COMB 318 (-0.8SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
 528. *1 -0.8 2 -0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
 529. LOAD COMB 321 (+0.24SLX +0.8SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
 530. 1 0.24 2 0.8 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
 531. LOAD COMB 322 (-0.24SLX +0.8SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
 532. 1 -0.24 2 0.8 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
 533. LOAD COMB 323 (+0.24SLX -0.8SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
 534. 1 0.24 2 -0.8 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
 535. LOAD COMB 324 (-0.24SLX -0.8SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)

536. 1 -0.24 2 -0.8 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
 537. *LOAD COMB 325 (+0.24SLX +0.8SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
 538. *1 0.24 2 0.8 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
 539. *LOAD COMB 326 (-0.24SLX +0.8SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
 540. *1 -0.24 2 0.8 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
 541. *LOAD COMB 327 (+0.24SLX -0.8SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
 542. *1 0.24 2 -0.8 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
 543. *LOAD COMB 328 (-0.24SLX -0.8SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
 544. *1 -0.24 2 -0.8 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
 545. LOAD COMB 331 (+0.24SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
 546. 1 0.24 2 0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
 547. LOAD COMB 332 (+0.24SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
 548. 1 0.24 2 -0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
 549. LOAD COMB 333 (-0.24SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
 550. 1 -0.24 2 0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
 551. LOAD COMB 334 (-0.24SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
 552. 1 -0.24 2 -0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
 553. *LOAD COMB 335 (+0.24SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)
 554. *1 0.24 2 0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 1.0
 555. *LOAD COMB 336 (+0.24SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)
 556. *1 0.24 2 -0.24 11 1.0 13 1.0 21 0.4 33 1.0 34 -1.0
 557. *LOAD COMB 337 (-0.24SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)
 558. *1 -0.24 2 0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 1.0
 559. *LOAD COMB 338 (-0.24SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)
 560. *1 -0.24 2 -0.24 11 1.0 13 1.0 21 0.4 33 -1.0 34 -1.0
 561. LOAD COMB 341 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WX(+)P)
 562. 11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 51 0.8
 563. LOAD COMB 342 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WX(+)P)
 564. 11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 51 0.8
 565. LOAD COMB 343 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WZ(+)P)
 566. 11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 52 0.8
 567. LOAD COMB 344 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WZ(+)P)
 568. 11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 52 0.8
 569. LOAD COMB 345 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WX(-)P)
 570. 11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 53 0.8
 571. LOAD COMB 346 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WX(-)P)
 572. 11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 53 0.8
 573. LOAD COMB 347 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WZ(-)P)
 574. 11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 54 0.8
 575. LOAD COMB 348 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WZ(-)P)
 576. 11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 54 0.8
 577. LOAD COMB 351 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WX(+)S)
 578. 11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 55 0.8
 579. LOAD COMB 352 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WX(+)S)
 580. 11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 55 0.8
 581. LOAD COMB 353 (+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WZ(+)S)

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582. 11 1.0 13 1.0 21 0.8 33 1.0 34 1.0 56 0.8
 583. LOAD COMB 354 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WZ(+)S)

584. 11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 56 0.8
 585. LOAD COMB 355 (+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WX(-)S)
 586. 11 1.0 13 1.0 21 0.8 33 -1.0 34 1.0 57 0.8
 587. LOAD COMB 356 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WX(-)S)
 588. 11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 57 0.8
 589. LOAD COMB 357 (+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WZ(-)S)
 590. 11 1.0 13 1.0 21 0.8 33 1.0 34 -1.0 58 0.8
 591. LOAD COMB 358 (+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WZ(-)S)
 592. 11 1.0 13 1.0 21 0.8 33 -1.0 34 -1.0 58 0.8
 593. LOAD COMB 361 (+0.9DS +0.9DE +1WX(+)P)
 594. 11 0.9 12 0.9 51 1.0
 595. LOAD COMB 362 (+0.9DS +0.9DE +1WZ(+)P)
 596. 11 0.9 12 0.9 52 1.0
 597. LOAD COMB 363 (+0.9DS +0.9DE +1WX(-)P)
 598. 11 0.9 12 0.9 53 1.0
 599. LOAD COMB 364 (+0.9DS +0.9DE +1WZ(-)P)
 600. 11 0.9 12 0.9 54 1.0
 601. LOAD COMB 371 (+0.9DS +0.9DE +1WX(+)S)
 602. 11 0.9 12 0.9 55 1.0
 603. LOAD COMB 372 (+0.9DS +0.9DE +1WZ(+)S)
 604. 11 0.9 12 0.9 56 1.0
 605. LOAD COMB 373 (+0.9DS +0.9DE +1WX(-)S)
 606. 11 0.9 12 0.9 57 1.0
 607. LOAD COMB 374 (+0.9DS +0.9DE +1WZ(-)S)
 608. 11 0.9 12 0.9 58 1.0
 609. LOAD COMB 381 (+1DS +1DT +0.6LL +0.4WX(+)P)
 610. 11 1.0 14 1.0 21 0.6 51 0.4
 611. LOAD COMB 382 (+1DS +1DT +0.6LL +0.4WZ(+)P)
 612. 11 1.0 14 1.0 21 0.6 52 0.4
 613. LOAD COMB 383 (+1DS +1DT +0.6LL +0.4WX(-)P)
 614. 11 1.0 14 1.0 21 0.6 53 0.4
 615. LOAD COMB 384 (+1DS +1DT +0.6LL +0.4WZ(-)P)
 616. 11 1.0 14 1.0 21 0.6 54 0.4
 617. LOAD COMB 391 (+1DS +1DT +0.6LL +0.4WX(+)S)
 618. 11 1.0 14 1.0 21 0.6 55 0.4
 619. LOAD COMB 392 (+1DS +1DT +0.6LL +0.4WZ(+)S)
 620. 11 1.0 14 1.0 21 0.6 56 0.4
 621. LOAD COMB 393 (+1DS +1DT +0.6LL +0.4WX(-)S)
 622. 11 1.0 14 1.0 21 0.6 57 0.4
 623. LOAD COMB 394 (+1DS +1DT +0.6LL +0.4WZ(-)S)
 624. 11 1.0 14 1.0 21 0.6 58 0.4
 625. LOAD COMB 441 (+1DS +1DO +0.8LL +1MLBP +0.4WX(+)P)
 626. 11 1.0 13 1.0 21 0.8 42 1.0 51 0.4
 627. LOAD COMB 442 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(+)P)
 628. 11 1.0 13 1.0 21 0.8 42 1.0 52 0.4
 629. LOAD COMB 443 (+1DS +1DO +0.8LL +1MLBP +0.4WX(-)P)
 630. 11 1.0 13 1.0 21 0.8 42 1.0 53 0.4
 631. LOAD COMB 444 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(-)P)
 632. 11 1.0 13 1.0 21 0.8 42 1.0 54 0.4
 633. LOAD COMB 451 (+1DS +1DO +0.8LL +1MLBP +0.4WX(+)S)

634. 11 1.0 13 1.0 21 0.8 42 1.0 55 0.4
 635. LOAD COMB 452 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(+)S)
 636. 11 1.0 13 1.0 21 0.8 42 1.0 56 0.4
 637. LOAD COMB 453 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(-)S)

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638. 11 1.0 13 1.0 21 0.8 42 1.0 57 0.4
 639. LOAD COMB 454 (+1DS +1DO +0.8LL +1MLBP +0.4WZ(-)S)
 640. 11 1.0 13 1.0 21 0.8 42 1.0 58 0.4
 641. LOAD COMB 455 1.0(DL+LLCLA)
 642. 11 1.0 21 1.0 61 1.0
 643. LOAD COMB 501 (+1.5DS +1.5DO +1.5LL+1.5PFX+1.5PFZ+1.5PAX +1.5PAZ+1.5LC
 +1MLBP)
 644. 11 1.5 13 1.5 21 1.5 31 1.5 32 1.5 33 1.5 34 1.5 41 1.5 42 1.0
 645. LOAD COMB 502 (+1.5DS +1.5DO+1.5LL+1.5PFX-1.5PFZ +1.5PAX -1.5PAZ+1.5LC
 +1MLBP)
 646. 11 1.5 13 1.5 21 1.5 31 1.5 32 -1.5 33 1.5 34 -1.5 41 1.5 42 1.0
 647. LOAD COMB 503 (+1.5DS +1.5DO+1.5LL-1.5PFX+1.5PFZ -1.5PAX +1.5PAZ+1.5LC
 +1MLBP)
 648. 11 1.5 13 1.5 21 1.5 31 -1.5 32 1.5 33 -1.5 34 1.5 41 1.5 42 1.0
 649. LOAD COMB 504 (+1.5DS+1.5DO +1.5LL-1.5PFX-1.5PFZ -1.5PAX -1.5PAZ+1.5LC
 +1MLBP)
 650. 11 1.5 13 1.5 21 1.5 31 -1.5 32 -1.5 33 -1.5 34 -1.5 41 1.5 42 1.0
 651. LOAD COMB 511 (+1.2SLX +0.36SLZ +1.2DS +1.2DO +0.6LL +1.2PAX +1.2PAZ)
 652. 1 1.2 2 0.36 11 1.2 13 1.2 21 0.6 33 1.2 34 1.2
 653. LOAD COMB 512 (+1.2SLX -0.36SLZ +1.2DS +1.2DO +0.6LL +1.2PAX -1.2PAZ)
 654. 1 1.2 2 -0.36 11 1.2 13 1.2 21 0.6 33 1.2 34 -1.2
 655. LOAD COMB 513 (-1.2SLX +0.36SLZ +1.2DS +1.2DO +0.6LL -1.2PAX +1.2PAZ)
 656. 1 -1.2 2 0.36 11 1.2 13 1.2 21 0.6 33 -1.2 34 1.2
 657. LOAD COMB 514 (-1.2SLX -0.36SLZ +1.2DS +1.2DO +0.6LL -1.2PAX -1.2PAZ)
 658. 1 -1.2 2 -0.36 11 1.2 13 1.2 21 0.6 33 -1.2 34 -1.2
 659. LOAD COMB 521 (+0.36SLX +1.2SLZ +1.2DS +1.2DO +0.6LL +1.2PAX +1.2PAZ)
 660. 1 0.36 2 1.2 11 1.2 13 1.2 21 0.6 33 1.2 34 1.2
 661. LOAD COMB 522 (-0.36SLX +1.2SLZ +1.2DS +1.2DO +0.6LL -1.2PAX +1.2PAZ)
 662. 1 -0.36 2 1.2 11 1.2 13 1.2 21 0.6 33 -1.2 34 1.2
 663. LOAD COMB 523 (+0.36SLX -1.2SLZ +1.2DS +1.2DO +0.6LL +1.2PAX -1.2PAZ)
 664. 1 0.36 2 -1.2 11 1.2 13 1.2 21 0.6 33 1.2 34 -1.2
 665. LOAD COMB 524 (-0.36SLX -1.2SLZ +1.2DS +1.2DO +0.6LL -1.2PAX -1.2PAZ)
 666. 1 -0.36 2 -1.2 11 1.2 13 1.2 21 0.6 33 -1.2 34 -1.2
 667. LOAD COMB 541 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WX(+)P)
 668. 11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 51 1.2
 669. LOAD COMB 542 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WX(+)P)
 670. 11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 51 1.2
 671. LOAD COMB 543 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WZ(+)P)
 672. 11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 52 1.2
 673. LOAD COMB 544 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WZ(+)P)
 674. 11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 52 1.2
 675. LOAD COMB 545 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WX(-)P)
 676. 11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 53 1.2
 677. LOAD COMB 546 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WX(-)P)

678. 11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 53 1.2
 679. LOAD COMB 547 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WZ(-)P)
 680. 11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 54 1.2
 681. LOAD COMB 548 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WZ(-)P)
 682. 11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 54 1.2
 683. LOAD COMB 551 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WX(+)S)
 684. 11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 55 1.2
 685. LOAD COMB 552 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WX(+)S)
 686. 11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 55 1.2
 687. LOAD COMB 553 (+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WZ(+)S)
 688. 11 1.2 13 1.2 21 1.2 33 1.2 34 1.2 56 1.2
 689. LOAD COMB 554 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WZ(+)S)
 690. 11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 56 1.2
 691. LOAD COMB 555 (+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WX(-)S)
 692. 11 1.2 13 1.2 21 1.2 33 -1.2 34 1.2 57 1.2
 693. LOAD COMB 556 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WX(-)S)

↑ STAAD SPACE

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694. 11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 57 1.2
 695. LOAD COMB 557 (+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WZ(-)S)
 696. 11 1.2 13 1.2 21 1.2 33 1.2 34 -1.2 58 1.2
 697. LOAD COMB 558 (+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WZ(-)S)
 698. 11 1.2 13 1.2 21 1.2 33 -1.2 34 -1.2 58 1.2
 699. LOAD COMB 561 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WX(+)P)
 700. 11 1.5 13 1.5 33 1.5 34 1.5 51 1.5
 701. LOAD COMB 562 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WX(+)P)
 702. 11 1.5 13 1.5 33 1.5 34 -1.5 51 1.5
 703. LOAD COMB 563 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WZ(+)P)
 704. 11 1.5 13 1.5 33 1.5 34 1.5 52 1.5
 705. LOAD COMB 564 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WZ(+)P)
 706. 11 1.5 13 1.5 33 -1.5 34 1.5 52 1.5
 707. LOAD COMB 565 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WX(-)P)
 708. 11 1.5 13 1.5 33 -1.5 34 1.5 53 1.5
 709. LOAD COMB 566 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WX(-)P)
 710. 11 1.5 13 1.5 33 -1.5 34 -1.5 53 1.5
 711. LOAD COMB 567 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WZ(-)P)
 712. 11 1.5 13 1.5 33 1.5 34 -1.5 54 1.5
 713. LOAD COMB 568 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WZ(-)P)
 714. 11 1.5 13 1.5 33 -1.5 34 -1.5 54 1.5
 715. LOAD COMB 571 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WX(+)S)
 716. 11 1.5 13 1.5 33 1.5 34 1.5 55 1.5
 717. LOAD COMB 572 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WX(+)S)
 718. 11 1.5 13 1.5 33 1.5 34 -1.5 55 1.5
 719. LOAD COMB 573 (+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WZ(+)S)
 720. 11 1.5 13 1.5 33 1.5 34 1.5 56 1.5
 721. LOAD COMB 574 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WZ(+)S)
 722. 11 1.5 13 1.5 33 -1.5 34 1.5 56 1.5
 723. LOAD COMB 575 (+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WX(-)S)
 724. 11 1.5 13 1.5 33 -1.5 34 1.5 57 1.5
 725. LOAD COMB 576 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WX(-)S)

726. 11 1.5 13 1.5 33 -1.5 34 -1.5 57 1.5
 727. LOAD COMB 577 (+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WZ(-)S)
 728. 11 1.5 13 1.5 33 1.5 34 -1.5 58 1.5
 729. LOAD COMB 578 (+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WZ(-)S)
 730. 11 1.5 13 1.5 33 -1.5 34 -1.5 58 1.5
 731. LOAD COMB 581 (+1.2DS +1.2DT +0.9LL +0.9WX(+)P)
 732. 11 1.2 14 1.2 21 0.9 51 0.9
 733. LOAD COMB 582 (+1.2DS +1.2DT +0.9LL +0.9WZ(+)P)
 734. 11 1.2 14 1.2 21 0.9 52 0.9
 735. LOAD COMB 583 (+1.2DS +1.2DT +0.9LL +0.9WX(-)P)
 736. 11 1.2 14 1.2 21 0.9 53 0.9
 737. LOAD COMB 584 (+1.2DS +1.2DT +0.9LL +0.9WZ(-)P)
 738. 11 1.2 14 1.2 21 0.9 54 0.9
 739. LOAD COMB 591 (+1.2DS +1.2DT +0.9LL +0.9WX(+)S)
 740. 11 1.2 14 1.2 21 0.9 55 0.9
 741. LOAD COMB 592 (+1.2DS +1.2DT +0.9LL +0.9WZ(+)S)
 742. 11 1.2 14 1.2 21 0.9 56 0.9
 743. LOAD COMB 593 (+1.2DS +1.2DT +0.9LL +0.9WX(-)S)
 744. 11 1.2 14 1.2 21 0.9 57 0.9
 745. LOAD COMB 594 (+1.2DS +1.2DT +0.9LL +0.9WZ(-)S)
 746. 11 1.2 14 1.2 21 0.9 58 0.9
 747. LOAD COMB 641 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(+)P)
 748. 11 1.2 13 1.2 21 1.2 42 1.2 51 0.6
 749. LOAD COMB 642 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(+)P)

^ STAAD SPACE

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750. 11 1.2 13 1.2 21 1.2 42 1.2 52 0.6
 751. LOAD COMB 643 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(-)P)
 752. 11 1.2 13 1.2 21 1.2 42 1.2 53 0.6
 753. LOAD COMB 644 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(-)P)
 754. 11 1.2 13 1.2 21 1.2 42 1.2 54 0.6
 755. LOAD COMB 651 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(+)S)
 756. 11 1.2 13 1.2 21 1.2 42 1.2 55 0.6
 757. LOAD COMB 652 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(+)S)
 758. 11 1.2 13 1.2 21 1.2 42 1.2 56 0.6
 759. LOAD COMB 653 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(-)S)
 760. 11 1.2 13 1.2 21 1.2 42 1.2 57 0.6
 761. LOAD COMB 654 (+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(-)S)
 762. 11 1.2 13 1.2 21 1.2 42 1.2 58 0.6
 763. LOAD COMB 661 (+0.9DS +0.9DE +1.5WX(+)P)
 764. 11 0.9 12 0.9 51 1.5
 765. LOAD COMB 662 (+0.9DS +0.9DE +1.5WZ(+)P)
 766. 11 0.9 12 0.9 52 1.5
 767. LOAD COMB 663 (+0.9DS +0.9DE +1.5WX(-)P)
 768. 11 0.9 12 0.9 53 1.5
 769. LOAD COMB 664 (+0.9DS +0.9DE +1.5WZ(-)P)
 770. 11 0.9 12 0.9 54 1.5
 771. LOAD COMB 671 (+0.9DS +0.9DE +1.5WX(+)S)
 772. 11 0.9 12 0.9 55 1.5
 773. LOAD COMB 672 (+0.9DS +0.9DE +1.5WZ(+)S)

774. 11 0.9 12 0.9 56 1.5
 775. LOAD COMB 673 (+0.9DS +0.9DE +1.5WX(-)S)
 776. 11 0.9 12 0.9 57 1.5
 777. LOAD COMB 674 (+0.9DS +0.9DE +1.5WZ(-)S)
 778. 11 0.9 12 0.9 58 1.5
 779. LOAD COMB 675 1.5(DL+LL+CLA)
 780. 11 1.5 21 1.5 61 1.5
 781. *PERFORM ANALYSIS PRINT STATICS CHECK
 782. PDELTA ANALYSIS PRINT LOAD DATA

PROBLEM STATISTICS

NUMBER OF JOINTS	192	NUMBER OF MEMBERS	570
NUMBER OF PLATES	0	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	8

Using 64-bit analysis engine.

SOLVER USED IS THE IN-CORE ADVANCED MATH SOLVER

TOTAL PRIMARY LOAD CASES = 24, TOTAL DEGREES OF FREEDOM = 1116
 TOTAL LOAD COMBINATION CASES = 179 SO FAR.

STAAD SPACE

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LOADING 1 EARTHQUAKE LOAD IN X DIR(EX)

LOADING 2 EARTHQUAKE IN Z DIR (EZ)

LOADING 11 LOADTYPE DEAD TITLE STRUCTURE DEAD LOAD (DL)

SELFWEIGHT Y -1.050

ACTUAL WEIGHT OF THE STRUCTURE = 73.992 KN

LOADING 21 LOADTYPE LIVE TITLE LIVE LOAD(IL)

LOADING 12 PIPE EMPTY LOAD(PE)

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
564				-0.0500 GY	0.30		
588				-0.0500 GY	0.30		
592				-0.0500 GY	0.30		
596				-0.0500 GY	0.30		
650				-0.0500 GY	0.30		
657				-0.0500 GY	0.30		
664				-0.0500 GY	0.30		
671				-0.0500 GY	0.30		
678				-0.0500 GY	0.30		
685				-0.0500 GY	0.30		
692				-0.0500 GY	0.30		
699				-0.0500 GY	0.30		
706				-0.0500 GY	0.30		
713				-0.0500 GY	0.30		
720				-0.0500 GY	0.30		
727				-0.0500 GY	0.30		
734				-0.0500 GY	0.30		
741				-0.0500 GY	0.30		
748				-0.0500 GY	0.30		
755				-0.0500 GY	0.30		
762				-0.0500 GY	0.30		
769				-0.0500 GY	0.30		
776				-0.0500 GY	0.30		
783				-0.0500 GY	0.30		
790				-0.0500 GY	0.30		
797				-0.0500 GY	0.30		
↑ STAAD SPACE							
804				-0.0500 GY	0.30		
811				-0.0500 GY	0.30		
818				-0.0500 GY	0.30		
825				-0.0500 GY	0.30		
832				-0.0500 GY	0.30		
839				-0.0500 GY	0.30		
846				-0.0500 GY	0.30		
853				-0.0500 GY	0.30		
860				-0.0500 GY	0.30		
867				-0.0500 GY	0.30		
874				-0.0500 GY	0.30		
881				-0.0500 GY	0.30		
888				-0.0500 GY	0.30		
895				-0.0500 GY	0.30		

564	-0.0440	GY	0.70
588	-0.0440	GY	0.70
592	-0.0440	GY	0.70
596	-0.0440	GY	0.70
650	-0.0440	GY	0.70
657	-0.0440	GY	0.70
664	-0.0440	GY	0.70
671	-0.0440	GY	0.70
678	-0.0440	GY	0.70
685	-0.0440	GY	0.70
692	-0.0440	GY	0.70
699	-0.0440	GY	0.70
706	-0.0440	GY	0.70
713	-0.0440	GY	0.70
720	-0.0440	GY	0.70
727	-0.0440	GY	0.70
734	-0.0440	GY	0.70
741	-0.0440	GY	0.70
748	-0.0440	GY	0.70
755	-0.0440	GY	0.70
762	-0.0440	GY	0.70
769	-0.0440	GY	0.70
776	-0.0440	GY	0.70
783	-0.0440	GY	0.70
790	-0.0440	GY	0.70
797	-0.0440	GY	0.70
804	-0.0440	GY	0.70
811	-0.0440	GY	0.70
818	-0.0440	GY	0.70
825	-0.0440	GY	0.70
832	-0.0440	GY	0.70
839	-0.0440	GY	0.70
846	-0.0440	GY	0.70
853	-0.0440	GY	0.70
860	-0.0440	GY	0.70
867	-0.0440	GY	0.70
874	-0.0440	GY	0.70
881	-0.0440	GY	0.70
888	-0.0440	GY	0.70
895	-0.0440	GY	0.70

▲ STAAD SPACE

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LOADING 13 LOADTYPE DEAD TITLE PIPING OPERATING LOAD(PO)

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
564				-0.3700 GY	0.30		
588				-0.3700 GY	0.30		
592				-0.3700 GY	0.30		
596				-0.3700 GY	0.30		
650				-0.3700 GY	0.30		
657				-0.3700 GY	0.30		
664				-0.3700 GY	0.30		
671				-0.3700 GY	0.30		
678				-0.3700 GY	0.30		
685				-0.3700 GY	0.30		
692				-0.3700 GY	0.30		
699				-0.3700 GY	0.30		
706				-0.3700 GY	0.30		
713				-0.3700 GY	0.30		
720				-0.3700 GY	0.30		
727				-0.3700 GY	0.30		
734				-0.3700 GY	0.30		
741				-0.3700 GY	0.30		
748				-0.3700 GY	0.30		
755				-0.3700 GY	0.30		
762				-0.3700 GY	0.30		
769				-0.3700 GY	0.30		
776				-0.3700 GY	0.30		
783				-0.3700 GY	0.30		
790				-0.3700 GY	0.30		
797				-0.3700 GY	0.30		
804				-0.3700 GY	0.30		
811				-0.3700 GY	0.30		
818				-0.3700 GY	0.30		
825				-0.3700 GY	0.30		
832				-0.3700 GY	0.30		
839				-0.3700 GY	0.30		
846				-0.3700 GY	0.30		
853				-0.3700 GY	0.30		
860				-0.3700 GY	0.30		
867				-0.3700 GY	0.30		
874				-0.3700 GY	0.30		
881				-0.3700 GY	0.30		
888				-0.3700 GY	0.30		
895				-0.3700 GY	0.30		
564				-0.3060 GY	0.70		
588				-0.3060 GY	0.70		
592				-0.3060 GY	0.70		
596				-0.3060 GY	0.70		
650				-0.3060 GY	0.70		
657				-0.3060 GY	0.70		

664	-0.3060	GY	0.70
671	-0.3060	GY	0.70
678	-0.3060	GY	0.70
685	-0.3060	GY	0.70
692	-0.3060	GY	0.70
699	-0.3060	GY	0.70
706	-0.3060	GY	0.70
713	-0.3060	GY	0.70
720	-0.3060	GY	0.70
727	-0.3060	GY	0.70
734	-0.3060	GY	0.70
741	-0.3060	GY	0.70
748	-0.3060	GY	0.70
755	-0.3060	GY	0.70
762	-0.3060	GY	0.70
769	-0.3060	GY	0.70
776	-0.3060	GY	0.70
783	-0.3060	GY	0.70
790	-0.3060	GY	0.70
797	-0.3060	GY	0.70
804	-0.3060	GY	0.70
811	-0.3060	GY	0.70
818	-0.3060	GY	0.70
825	-0.3060	GY	0.70
832	-0.3060	GY	0.70
839	-0.3060	GY	0.70
846	-0.3060	GY	0.70
853	-0.3060	GY	0.70
860	-0.3060	GY	0.70
867	-0.3060	GY	0.70
874	-0.3060	GY	0.70
881	-0.3060	GY	0.70
888	-0.3060	GY	0.70
895	-0.3060	GY	0.70

LOADING 14 PIPING HYDROTEST LOAD(PT)

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
564				-0.3700	GY	0.30	
588				-0.3700	GY	0.30	
592				-0.3700	GY	0.30	
596				-0.3700	GY	0.30	
650				-0.3700	GY	0.30	
657				-0.3700	GY	0.30	

664	-0.3700	GY	0.30
671	-0.3700	GY	0.30
678	-0.3700	GY	0.30
685	-0.3700	GY	0.30
692	-0.3700	GY	0.30
699	-0.3700	GY	0.30

↑ STAAD SPACE

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706	-0.3700	GY	0.30
713	-0.3700	GY	0.30
720	-0.3700	GY	0.30
727	-0.3700	GY	0.30
734	-0.3700	GY	0.30
741	-0.3700	GY	0.30
748	-0.3700	GY	0.30
755	-0.3700	GY	0.30
762	-0.3700	GY	0.30
769	-0.3700	GY	0.30
776	-0.3700	GY	0.30
783	-0.3700	GY	0.30
790	-0.3700	GY	0.30
797	-0.3700	GY	0.30
804	-0.3700	GY	0.30
811	-0.3700	GY	0.30
818	-0.3700	GY	0.30
825	-0.3700	GY	0.30
832	-0.3700	GY	0.30
839	-0.3700	GY	0.30
846	-0.3700	GY	0.30
853	-0.3700	GY	0.30
860	-0.3700	GY	0.30
867	-0.3700	GY	0.30
874	-0.3700	GY	0.30
881	-0.3700	GY	0.30
888	-0.3700	GY	0.30
895	-0.3700	GY	0.30
564	-0.3060	GY	0.70
588	-0.3060	GY	0.70
592	-0.3060	GY	0.70
596	-0.3060	GY	0.70
650	-0.3060	GY	0.70
657	-0.3060	GY	0.70
664	-0.3060	GY	0.70
671	-0.3060	GY	0.70
678	-0.3060	GY	0.70
685	-0.3060	GY	0.70
692	-0.3060	GY	0.70
699	-0.3060	GY	0.70
706	-0.3060	GY	0.70
713	-0.3060	GY	0.70

720	-0.3060	GY	0.70
727	-0.3060	GY	0.70
734	-0.3060	GY	0.70
741	-0.3060	GY	0.70
748	-0.3060	GY	0.70
755	-0.3060	GY	0.70
762	-0.3060	GY	0.70
769	-0.3060	GY	0.70
776	-0.3060	GY	0.70
783	-0.3060	GY	0.70
790	-0.3060	GY	0.70
797	-0.3060	GY	0.70
804	-0.3060	GY	0.70
811	-0.3060	GY	0.70

↑ STAAD SPACE

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818	-0.3060	GY	0.70
825	-0.3060	GY	0.70
832	-0.3060	GY	0.70
839	-0.3060	GY	0.70
846	-0.3060	GY	0.70
853	-0.3060	GY	0.70
860	-0.3060	GY	0.70
867	-0.3060	GY	0.70
874	-0.3060	GY	0.70
881	-0.3060	GY	0.70
888	-0.3060	GY	0.70
895	-0.3060	GY	0.70

LOADING 31 PIPING THERMAL / FRICTION LOAD IN X-DIR (TLX)

LOADING 32 PIPING THERMAL / FRICTION LOAD IN Z-DIR (TLZ)

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
564				-0.0370	GZ	0.30	
588				-0.0370	GZ	0.30	
592				-0.0370	GZ	0.30	
596				-0.0370	GZ	0.30	
650				-0.0370	GZ	0.30	
657				-0.0370	GZ	0.30	
664				-0.0370	GZ	0.30	
671				-0.0370	GZ	0.30	

678	-0.0370	GZ	0.30
685	-0.0370	GZ	0.30
692	-0.0370	GZ	0.30
699	-0.0370	GZ	0.30
706	-0.0370	GZ	0.30
713	-0.0370	GZ	0.30
720	-0.0370	GZ	0.30
727	-0.0370	GZ	0.30
734	-0.0370	GZ	0.30
741	-0.0370	GZ	0.30
748	-0.0370	GZ	0.30
755	-0.0370	GZ	0.30
762	-0.0370	GZ	0.30
769	-0.0370	GZ	0.30
776	-0.0370	GZ	0.30
783	-0.0370	GZ	0.30
790	-0.0370	GZ	0.30
797	-0.0370	GZ	0.30
804	-0.0370	GZ	0.30
811	-0.0370	GZ	0.30
818	-0.0370	GZ	0.30
825	-0.0370	GZ	0.30

↑ STAAD SPACE

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832	-0.0370	GZ	0.30
839	-0.0370	GZ	0.30
846	-0.0370	GZ	0.30
853	-0.0370	GZ	0.30
860	-0.0370	GZ	0.30
867	-0.0370	GZ	0.30
874	-0.0370	GZ	0.30
881	-0.0370	GZ	0.30
888	-0.0370	GZ	0.30
895	-0.0370	GZ	0.30
564	-0.0306	GZ	0.70
588	-0.0306	GZ	0.70
592	-0.0306	GZ	0.70
596	-0.0306	GZ	0.70
650	-0.0306	GZ	0.70
657	-0.0306	GZ	0.70
664	-0.0306	GZ	0.70
671	-0.0306	GZ	0.70
678	-0.0306	GZ	0.70
685	-0.0306	GZ	0.70
692	-0.0306	GZ	0.70
699	-0.0306	GZ	0.70
706	-0.0306	GZ	0.70
713	-0.0306	GZ	0.70
720	-0.0306	GZ	0.70
727	-0.0306	GZ	0.70

734	-0.0306	GZ	0.70
741	-0.0306	GZ	0.70
748	-0.0306	GZ	0.70
755	-0.0306	GZ	0.70
762	-0.0306	GZ	0.70
769	-0.0306	GZ	0.70
776	-0.0306	GZ	0.70
783	-0.0306	GZ	0.70
790	-0.0306	GZ	0.70
797	-0.0306	GZ	0.70
804	-0.0306	GZ	0.70
811	-0.0306	GZ	0.70
818	-0.0306	GZ	0.70
825	-0.0306	GZ	0.70
832	-0.0306	GZ	0.70
839	-0.0306	GZ	0.70
846	-0.0306	GZ	0.70
853	-0.0306	GZ	0.70
860	-0.0306	GZ	0.70
867	-0.0306	GZ	0.70
874	-0.0306	GZ	0.70
881	-0.0306	GZ	0.70
888	-0.0306	GZ	0.70
895	-0.0306	GZ	0.70

LOADING 33 PIPING THERMAL ANCHOR+GUIDE LOAD WITHOUT-FRICTION (TAX)

↑ STAAD SPACE

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LOADING 34 PIPING THERMAL ANCHOR+GUIDE LOAD WITHOUT-FRICTION (TAZ)

LOADING 16 TEMPERATURE EXPANSION(TE)

LOADING 17 TEMPERATURE CONTRACTION(TC)

LOADING 41 LC LOCAL BEAM CHK

LOADING 42 MLBP MAINTENANCE LOAD & BUNDLE PULL

LOADING 51 WIND LOAD IN +X DIR (WX (+VE))

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
448	0.2060 PX	0.00	1.00				
450	0.2060 PX	0.00	1.00				
451	0.2060 PX	0.00	1.00				
452	0.2060 PX	0.00	1.00				
453	0.2060 PX	0.00	1.00				
454	0.2060 PX	0.00	1.00				
455	0.2060 PX	0.00	1.00				
457	0.2060 PX	0.00	1.00				
481	0.2060 PX	0.00	1.00				
483	0.2060 PX	0.00	1.00				
484	0.2060 PX	0.00	1.00				
485	0.2060 PX	0.00	1.00				
486	0.2060 PX	0.00	1.00				
487	0.2060 PX	0.00	1.00				
488	0.2060 PX	0.00	1.00				
490	0.2060 PX	0.00	1.00				
514	0.0772 PX	0.00	1.00				
516	0.0772 PX	0.00	1.00				
518	0.0772 PX	0.00	1.00				
520	0.0772 PX	0.00	1.00				
522	0.0772 PX	0.00	1.00				
524	0.0772 PX	0.00	1.00				
526	0.0772 PX	0.00	1.00				
528	0.0772 PX	0.00	1.41				
529	0.0772 PX	0.00	1.41				
530	0.0772 PX	0.00	1.41				
↑ STAAD SPACE							
531	0.0772 PX	0.00	1.41				
532	0.0772 PX	0.00	1.41				
533	0.0772 PX	0.00	1.41				
534	0.0772 PX	0.00	1.41				
535	0.0772 PX	0.00	1.41				
565	0.0772 PX	0.00	1.00				
589	0.0772 PX	0.00	1.00				
593	0.0772 PX	0.00	1.00				
597	0.0772 PX	0.00	1.00				
600	0.1545 PX	0.00	1.00				
602	0.1545 PX	0.00	1.00				
604	0.1545 PX	0.00	1.04				

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605	0.1545	PX	0.00	1.04
610	0.1545	PX	0.00	1.04
611	0.1545	PX	0.00	1.04
648	0.1545	PX	0.00	1.04
651	0.1545	PX	0.00	1.04
652	0.0772	PX	0.00	1.00
655	0.1545	PX	0.00	1.04
658	0.1545	PX	0.00	1.04
659	0.0772	PX	0.00	1.00
662	0.1545	PX	0.00	1.04
665	0.1545	PX	0.00	1.04
666	0.0772	PX	0.00	1.00
669	0.1545	PX	0.00	1.04
672	0.1545	PX	0.00	1.04
673	0.0772	PX	0.00	1.00
676	0.1545	PX	0.00	1.04
679	0.1545	PX	0.00	1.04
680	0.0772	PX	0.00	1.00
683	0.1545	PX	0.00	1.04
686	0.1545	PX	0.00	1.04
687	0.0772	PX	0.00	1.00
690	0.1545	PX	0.00	1.04
693	0.1545	PX	0.00	1.04
694	0.0772	PX	0.00	1.00
697	0.1545	PX	0.00	1.04
700	0.1545	PX	0.00	1.04
701	0.0772	PX	0.00	1.00
704	0.1545	PX	0.00	1.04
707	0.1545	PX	0.00	1.04
708	0.0772	PX	0.00	1.00
711	0.1545	PX	0.00	1.04
714	0.1545	PX	0.00	1.04
715	0.0772	PX	0.00	1.00
718	0.1545	PX	0.00	1.04
721	0.1545	PX	0.00	1.04
722	0.0772	PX	0.00	1.00
725	0.1545	PX	0.00	1.04
728	0.1545	PX	0.00	1.04
729	0.0772	PX	0.00	1.00
732	0.1545	PX	0.00	1.04
735	0.1545	PX	0.00	1.04
736	0.0772	PX	0.00	1.00
739	0.1545	PX	0.00	1.04
742	0.1545	PX	0.00	1.04

↑ STAAD SPACE

743	0.0772	PX	0.00	1.00
746	0.1545	PX	0.00	1.04
749	0.1545	PX	0.00	1.04
750	0.0772	PX	0.00	1.00

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753	0.1545	PX	0.00	1.04
756	0.1545	PX	0.00	1.04
757	0.0772	PX	0.00	1.00
760	0.1545	PX	0.00	1.04
763	0.1545	PX	0.00	1.04
764	0.0772	PX	0.00	1.00
767	0.1545	PX	0.00	1.04
770	0.1545	PX	0.00	1.04
771	0.0772	PX	0.00	1.00
774	0.1545	PX	0.00	1.04
777	0.1545	PX	0.00	1.04
778	0.0772	PX	0.00	1.00
781	0.1545	PX	0.00	1.04
784	0.1545	PX	0.00	1.04
785	0.0772	PX	0.00	1.00
788	0.1545	PX	0.00	1.04
791	0.1545	PX	0.00	1.04
792	0.0772	PX	0.00	1.00
795	0.1545	PX	0.00	1.04
798	0.1545	PX	0.00	1.04
799	0.0772	PX	0.00	1.00
802	0.1545	PX	0.00	1.04
805	0.1545	PX	0.00	1.04
806	0.0772	PX	0.00	1.00
809	0.1545	PX	0.00	1.04
812	0.1545	PX	0.00	1.04
813	0.0772	PX	0.00	1.00
816	0.1545	PX	0.00	1.04
819	0.1545	PX	0.00	1.04
820	0.0772	PX	0.00	1.00
823	0.1545	PX	0.00	1.04
826	0.1545	PX	0.00	1.04
827	0.0772	PX	0.00	1.00
830	0.1545	PX	0.00	1.04
833	0.1545	PX	0.00	1.04
834	0.0772	PX	0.00	1.00
837	0.1545	PX	0.00	1.04
840	0.1545	PX	0.00	1.04
841	0.0772	PX	0.00	1.00
844	0.1545	PX	0.00	1.04
847	0.1545	PX	0.00	1.04
848	0.0772	PX	0.00	1.00
851	0.1545	PX	0.00	1.04
854	0.1545	PX	0.00	1.04
855	0.0772	PX	0.00	1.00
858	0.1545	PX	0.00	1.04
861	0.1545	PX	0.00	1.04
862	0.0772	PX	0.00	1.00
865	0.1545	PX	0.00	1.04
868	0.1545	PX	0.00	1.04

869	0.0772	PX	0.00	1.00
872	0.1545	PX	0.00	1.04

▲ STAAD SPACE

875	0.1545	PX	0.00	1.04
876	0.0772	PX	0.00	1.00
879	0.1545	PX	0.00	1.04
882	0.1545	PX	0.00	1.04
883	0.0772	PX	0.00	1.00
886	0.1545	PX	0.00	1.04
889	0.1545	PX	0.00	1.04
890	0.0772	PX	0.00	1.00
893	0.1545	PX	0.00	1.04
896	0.1545	PX	0.00	1.04
897	0.0772	PX	0.00	1.00
939	0.0772	PX	0.00	1.44
940	0.0772	PX	0.00	1.44
941	0.0772	PX	0.00	1.44
942	0.0772	PX	0.00	1.44
943	0.0772	PX	0.00	1.44
944	0.0772	PX	0.00	1.44
945	0.0772	PX	0.00	1.44
946	0.0772	PX	0.00	1.44
947	0.0772	PX	0.00	1.44
948	0.0772	PX	0.00	1.44
949	0.0772	PX	0.00	1.44
950	0.0772	PX	0.00	1.44
951	0.0772	PX	0.00	1.44
952	0.0772	PX	0.00	1.44
953	0.0772	PX	0.00	1.44
954	0.0772	PX	0.00	1.44
955	0.0772	PX	0.00	1.44
956	0.0772	PX	0.00	1.44
957	0.0772	PX	0.00	1.44
958	0.0772	PX	0.00	1.44
959	0.0772	PX	0.00	1.44
960	0.0772	PX	0.00	1.44
961	0.0772	PX	0.00	1.44
962	0.0772	PX	0.00	1.44
963	0.0772	PX	0.00	1.44
964	0.0772	PX	0.00	1.44
965	0.0772	PX	0.00	1.44
966	0.0772	PX	0.00	1.44
967	0.0772	PX	0.00	1.44
968	0.0772	PX	0.00	1.44
969	0.0772	PX	0.00	1.44
970	0.0772	PX	0.00	1.44
971	0.0772	PX	0.00	1.44
972	0.0772	PX	0.00	1.44
973	0.0772	PX	0.00	1.44

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974	0.0772	PX	0.00	1.44
975	0.0772	PX	0.00	1.44
976	0.0772	PX	0.00	1.44
977	0.0772	PX	0.00	1.44
978	0.0772	PX	0.00	1.44
1019	0.0772	PX	0.00	1.41
1020	0.0772	PX	0.00	1.41

↑ STAAD SPACE

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MEMBER LOAD - UNIT KN METE

MEMBER	UDL		L1	L2	CON	L	LIN1	LIN2
449	0.2060	PX	0.00	1.00				
459	0.2060	PX	0.00	1.00				
461	0.2060	PX	0.00	1.00				
463	0.2060	PX	0.00	1.00				
465	0.2060	PX	0.00	1.00				
467	0.2060	PX	0.00	1.00				
469	0.2060	PX	0.00	1.00				
471	0.2060	PX	0.00	1.00				
482	0.2060	PX	0.00	1.00				
492	0.2060	PX	0.00	1.00				
494	0.2060	PX	0.00	1.00				
496	0.2060	PX	0.00	1.00				
498	0.2060	PX	0.00	1.00				
500	0.2060	PX	0.00	1.00				
502	0.2060	PX	0.00	1.00				
504	0.2060	PX	0.00	1.00				
515	0.0772	PX	0.00	1.00				
517	0.0772	PX	0.00	1.00				
519	0.0772	PX	0.00	1.00				
521	0.0772	PX	0.00	1.00				
523	0.0772	PX	0.00	1.00				
525	0.0772	PX	0.00	1.00				
527	0.0772	PX	0.00	1.00				
536	0.0772	PX	0.00	1.41				
537	0.0772	PX	0.00	1.41				
538	0.0772	PX	0.00	1.41				
539	0.0772	PX	0.00	1.41				
540	0.0772	PX	0.00	1.41				
541	0.0772	PX	0.00	1.41				
542	0.0772	PX	0.00	1.41				
543	0.0772	PX	0.00	1.41				
566	0.0772	PX	0.00	1.00				
590	0.0772	PX	0.00	1.00				
594	0.0772	PX	0.00	1.00				
598	0.0772	PX	0.00	1.00				

601	0.1545	PX	0.00	1.00
603	0.1545	PX	0.00	1.00
606	0.1545	PX	0.00	1.04
607	0.1545	PX	0.00	1.04
608	0.1545	PX	0.00	1.04
609	0.1545	PX	0.00	1.04
612	0.1545	PX	0.00	1.04
613	0.1545	PX	0.00	1.04
614	0.1545	PX	0.00	1.04
615	0.1545	PX	0.00	1.04
616	0.1545	PX	0.00	1.04
617	0.1545	PX	0.00	1.04
618	0.1545	PX	0.00	1.04
619	0.1545	PX	0.00	1.04
620	0.1545	PX	0.00	1.04

↑ STAAD SPACE

621	0.1545	PX	0.00	1.04
622	0.1545	PX	0.00	1.04
623	0.1545	PX	0.00	1.04
624	0.1545	PX	0.00	1.04
625	0.1545	PX	0.00	1.04
626	0.1545	PX	0.00	1.04
627	0.1545	PX	0.00	1.04
628	0.1545	PX	0.00	1.04
629	0.1545	PX	0.00	1.04
630	0.1545	PX	0.00	1.04
631	0.1545	PX	0.00	1.04
632	0.1545	PX	0.00	1.04
633	0.1545	PX	0.00	1.04
634	0.1545	PX	0.00	1.04
635	0.1545	PX	0.00	1.04
636	0.1545	PX	0.00	1.04
637	0.1545	PX	0.00	1.04
638	0.1545	PX	0.00	1.04
639	0.1545	PX	0.00	1.04
640	0.1545	PX	0.00	1.04
641	0.1545	PX	0.00	1.04
642	0.1545	PX	0.00	1.04
643	0.1545	PX	0.00	1.04
644	0.1545	PX	0.00	1.04
645	0.1545	PX	0.00	1.04
646	0.1545	PX	0.00	1.04
647	0.1545	PX	0.00	1.04
649	0.1545	PX	0.00	1.04
653	0.0772	PX	0.00	1.00
656	0.1545	PX	0.00	1.04
660	0.0772	PX	0.00	1.00
663	0.1545	PX	0.00	1.04
667	0.0772	PX	0.00	1.00

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670	0.1545	PX	0.00	1.04
674	0.0772	PX	0.00	1.00
677	0.1545	PX	0.00	1.04
681	0.0772	PX	0.00	1.00
684	0.1545	PX	0.00	1.04
688	0.0772	PX	0.00	1.00
691	0.1545	PX	0.00	1.04
695	0.0772	PX	0.00	1.00
698	0.1545	PX	0.00	1.04
702	0.0772	PX	0.00	1.00
705	0.1545	PX	0.00	1.04
709	0.0772	PX	0.00	1.00
712	0.1545	PX	0.00	1.04
716	0.0772	PX	0.00	1.00
719	0.1545	PX	0.00	1.04
723	0.0772	PX	0.00	1.00
726	0.1545	PX	0.00	1.04
730	0.0772	PX	0.00	1.00
733	0.1545	PX	0.00	1.04
737	0.0772	PX	0.00	1.00
740	0.1545	PX	0.00	1.04
744	0.0772	PX	0.00	1.00
747	0.1545	PX	0.00	1.04



STAAD SPACE

751	0.0772	PX	0.00	1.00
754	0.1545	PX	0.00	1.04
758	0.0772	PX	0.00	1.00
761	0.1545	PX	0.00	1.04
765	0.0772	PX	0.00	1.00
768	0.1545	PX	0.00	1.04
772	0.0772	PX	0.00	1.00
775	0.1545	PX	0.00	1.04
779	0.0772	PX	0.00	1.00
782	0.1545	PX	0.00	1.04
786	0.0772	PX	0.00	1.00
789	0.1545	PX	0.00	1.04
793	0.0772	PX	0.00	1.00
796	0.1545	PX	0.00	1.04
800	0.0772	PX	0.00	1.00
803	0.1545	PX	0.00	1.04
807	0.0772	PX	0.00	1.00
810	0.1545	PX	0.00	1.04
814	0.0772	PX	0.00	1.00
817	0.1545	PX	0.00	1.04
821	0.0772	PX	0.00	1.00
824	0.1545	PX	0.00	1.04
828	0.0772	PX	0.00	1.00
831	0.1545	PX	0.00	1.04
835	0.0772	PX	0.00	1.00

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838	0.1545	PX	0.00	1.04
842	0.0772	PX	0.00	1.00
845	0.1545	PX	0.00	1.04
849	0.0772	PX	0.00	1.00
852	0.1545	PX	0.00	1.04
856	0.0772	PX	0.00	1.00
859	0.1545	PX	0.00	1.04
863	0.0772	PX	0.00	1.00
866	0.1545	PX	0.00	1.04
870	0.0772	PX	0.00	1.00
873	0.1545	PX	0.00	1.04
877	0.0772	PX	0.00	1.00
880	0.1545	PX	0.00	1.04
884	0.0772	PX	0.00	1.00
887	0.1545	PX	0.00	1.04
891	0.0772	PX	0.00	1.00
894	0.1545	PX	0.00	1.04
898	0.0772	PX	0.00	1.00
979	0.0772	PX	0.00	1.44
980	0.0772	PX	0.00	1.44
981	0.0772	PX	0.00	1.44
982	0.0772	PX	0.00	1.44
983	0.0772	PX	0.00	1.44
984	0.0772	PX	0.00	1.44
985	0.0772	PX	0.00	1.44
986	0.0772	PX	0.00	1.44
987	0.0772	PX	0.00	1.44
988	0.0772	PX	0.00	1.44
989	0.0772	PX	0.00	1.44
990	0.0772	PX	0.00	1.44
991	0.0772	PX	0.00	1.44

▲ STAAD SPACE

992	0.0772	PX	0.00	1.44
993	0.0772	PX	0.00	1.44
994	0.0772	PX	0.00	1.44
995	0.0772	PX	0.00	1.44
996	0.0772	PX	0.00	1.44
997	0.0772	PX	0.00	1.44
998	0.0772	PX	0.00	1.44
999	0.0772	PX	0.00	1.44
1000	0.0772	PX	0.00	1.44
1001	0.0772	PX	0.00	1.44
1002	0.0772	PX	0.00	1.44
1003	0.0772	PX	0.00	1.44
1004	0.0772	PX	0.00	1.44
1005	0.0772	PX	0.00	1.44
1006	0.0772	PX	0.00	1.44
1007	0.0772	PX	0.00	1.44
1008	0.0772	PX	0.00	1.44

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1009	0.0772	PX	0.00	1.44
1010	0.0772	PX	0.00	1.44
1011	0.0772	PX	0.00	1.44
1012	0.0772	PX	0.00	1.44
1013	0.0772	PX	0.00	1.44
1014	0.0772	PX	0.00	1.44
1015	0.0772	PX	0.00	1.44
1016	0.0772	PX	0.00	1.44
1017	0.0772	PX	0.00	1.44
1018	0.0772	PX	0.00	1.44
1021	0.0772	PX	0.00	1.41
1022	0.0772	PX	0.00	1.41

JOINT LOAD - UNIT KN METE

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
171	0.20	0.00	0.00	0.00	0.00	0.00
189	0.20	0.00	0.00	0.00	0.00	0.00
205	0.20	0.00	0.00	0.00	0.00	0.00
217	0.20	0.00	0.00	0.00	0.00	0.00
261	0.20	0.00	0.00	0.00	0.00	0.00
264	0.20	0.00	0.00	0.00	0.00	0.00
267	0.20	0.00	0.00	0.00	0.00	0.00
270	0.20	0.00	0.00	0.00	0.00	0.00
273	0.20	0.00	0.00	0.00	0.00	0.00
276	0.20	0.00	0.00	0.00	0.00	0.00
279	0.20	0.00	0.00	0.00	0.00	0.00
282	0.20	0.00	0.00	0.00	0.00	0.00
285	0.20	0.00	0.00	0.00	0.00	0.00
288	0.20	0.00	0.00	0.00	0.00	0.00
291	0.20	0.00	0.00	0.00	0.00	0.00
294	0.20	0.00	0.00	0.00	0.00	0.00
297	0.20	0.00	0.00	0.00	0.00	0.00
300	0.20	0.00	0.00	0.00	0.00	0.00
303	0.20	0.00	0.00	0.00	0.00	0.00
306	0.20	0.00	0.00	0.00	0.00	0.00
309	0.20	0.00	0.00	0.00	0.00	0.00

↑ STAAD SPACE

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312	0.20	0.00	0.00	0.00	0.00	0.00
315	0.20	0.00	0.00	0.00	0.00	0.00
318	0.20	0.00	0.00	0.00	0.00	0.00
321	0.20	0.00	0.00	0.00	0.00	0.00
324	0.20	0.00	0.00	0.00	0.00	0.00
327	0.20	0.00	0.00	0.00	0.00	0.00
330	0.20	0.00	0.00	0.00	0.00	0.00
333	0.20	0.00	0.00	0.00	0.00	0.00
336	0.20	0.00	0.00	0.00	0.00	0.00

339	0.20	0.00	0.00	0.00	0.00	0.00
342	0.20	0.00	0.00	0.00	0.00	0.00
345	0.20	0.00	0.00	0.00	0.00	0.00
348	0.20	0.00	0.00	0.00	0.00	0.00
351	0.20	0.00	0.00	0.00	0.00	0.00
354	0.20	0.00	0.00	0.00	0.00	0.00
357	0.20	0.00	0.00	0.00	0.00	0.00
360	0.20	0.00	0.00	0.00	0.00	0.00
363	0.20	0.00	0.00	0.00	0.00	0.00
366	0.20	0.00	0.00	0.00	0.00	0.00

LOADING 53 WIND LOAD IN -X DIR (WX (-VE))

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
448	-0.2060 PX	0.00	1.00				
450	-0.2060 PX	0.00	1.00				
451	-0.2060 PX	0.00	1.00				
452	-0.2060 PX	0.00	1.00				
453	-0.2060 PX	0.00	1.00				
454	-0.2060 PX	0.00	1.00				
455	-0.2060 PX	0.00	1.00				
457	-0.2060 PX	0.00	1.00				
481	-0.2060 PX	0.00	1.00				
483	-0.2060 PX	0.00	1.00				
484	-0.2060 PX	0.00	1.00				
485	-0.2060 PX	0.00	1.00				
486	-0.2060 PX	0.00	1.00				
487	-0.2060 PX	0.00	1.00				
488	-0.2060 PX	0.00	1.00				
490	-0.2060 PX	0.00	1.00				
514	-0.0772 PX	0.00	1.00				
516	-0.0772 PX	0.00	1.00				
518	-0.0772 PX	0.00	1.00				
520	-0.0772 PX	0.00	1.00				
522	-0.0772 PX	0.00	1.00				
524	-0.0772 PX	0.00	1.00				
526	-0.0772 PX	0.00	1.00				
528	-0.0772 PX	0.00	1.41				
529	-0.0772 PX	0.00	1.41				
530	-0.0772 PX	0.00	1.41				
531	-0.0772 PX	0.00	1.41				

↑ STAAD SPACE

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532	-0.0772 PX	0.00	1.41
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533	-0.0772	PX	0.00	1.41
534	-0.0772	PX	0.00	1.41
535	-0.0772	PX	0.00	1.41
565	-0.0772	PX	0.00	1.00
589	-0.0772	PX	0.00	1.00
593	-0.0772	PX	0.00	1.00
597	-0.0772	PX	0.00	1.00
600	-0.1545	PX	0.00	1.00
602	-0.1545	PX	0.00	1.00
604	-0.1545	PX	0.00	1.04
605	-0.1545	PX	0.00	1.04
610	-0.1545	PX	0.00	1.04
611	-0.1545	PX	0.00	1.04
648	-0.1545	PX	0.00	1.04
651	-0.1545	PX	0.00	1.04
652	-0.0772	PX	0.00	1.00
655	-0.1545	PX	0.00	1.04
658	-0.1545	PX	0.00	1.04
659	-0.0772	PX	0.00	1.00
662	-0.1545	PX	0.00	1.04
665	-0.1545	PX	0.00	1.04
666	-0.0772	PX	0.00	1.00
669	-0.1545	PX	0.00	1.04
672	-0.1545	PX	0.00	1.04
673	-0.0772	PX	0.00	1.00
676	-0.1545	PX	0.00	1.04
679	-0.1545	PX	0.00	1.04
680	-0.0772	PX	0.00	1.00
683	-0.1545	PX	0.00	1.04
686	-0.1545	PX	0.00	1.04
687	-0.0772	PX	0.00	1.00
690	-0.1545	PX	0.00	1.04
693	-0.1545	PX	0.00	1.04
694	-0.0772	PX	0.00	1.00
697	-0.1545	PX	0.00	1.04
700	-0.1545	PX	0.00	1.04
701	-0.0772	PX	0.00	1.00
704	-0.1545	PX	0.00	1.04
707	-0.1545	PX	0.00	1.04
708	-0.0772	PX	0.00	1.00
711	-0.1545	PX	0.00	1.04
714	-0.1545	PX	0.00	1.04
715	-0.0772	PX	0.00	1.00
718	-0.1545	PX	0.00	1.04
721	-0.1545	PX	0.00	1.04
722	-0.0772	PX	0.00	1.00
725	-0.1545	PX	0.00	1.04
728	-0.1545	PX	0.00	1.04
729	-0.0772	PX	0.00	1.00
732	-0.1545	PX	0.00	1.04

735	-0.1545	PX	0.00	1.04
736	-0.0772	PX	0.00	1.00
739	-0.1545	PX	0.00	1.04
742	-0.1545	PX	0.00	1.04
743	-0.0772	PX	0.00	1.00

↑ STAAD SPACE

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746	-0.1545	PX	0.00	1.04
749	-0.1545	PX	0.00	1.04
750	-0.0772	PX	0.00	1.00
753	-0.1545	PX	0.00	1.04
756	-0.1545	PX	0.00	1.04
757	-0.0772	PX	0.00	1.00
760	-0.1545	PX	0.00	1.04
763	-0.1545	PX	0.00	1.04
764	-0.0772	PX	0.00	1.00
767	-0.1545	PX	0.00	1.04
770	-0.1545	PX	0.00	1.04
771	-0.0772	PX	0.00	1.00
774	-0.1545	PX	0.00	1.04
777	-0.1545	PX	0.00	1.04
778	-0.0772	PX	0.00	1.00
781	-0.1545	PX	0.00	1.04
784	-0.1545	PX	0.00	1.04
785	-0.0772	PX	0.00	1.00
788	-0.1545	PX	0.00	1.04
791	-0.1545	PX	0.00	1.04
792	-0.0772	PX	0.00	1.00
795	-0.1545	PX	0.00	1.04
798	-0.1545	PX	0.00	1.04
799	-0.0772	PX	0.00	1.00
802	-0.1545	PX	0.00	1.04
805	-0.1545	PX	0.00	1.04
806	-0.0772	PX	0.00	1.00
809	-0.1545	PX	0.00	1.04
812	-0.1545	PX	0.00	1.04
813	-0.0772	PX	0.00	1.00
816	-0.1545	PX	0.00	1.04
819	-0.1545	PX	0.00	1.04
820	-0.0772	PX	0.00	1.00
823	-0.1545	PX	0.00	1.04
826	-0.1545	PX	0.00	1.04
827	-0.0772	PX	0.00	1.00
830	-0.1545	PX	0.00	1.04
833	-0.1545	PX	0.00	1.04
834	-0.0772	PX	0.00	1.00
837	-0.1545	PX	0.00	1.04
840	-0.1545	PX	0.00	1.04
841	-0.0772	PX	0.00	1.00
844	-0.1545	PX	0.00	1.04

847	-0.1545	PX	0.00	1.04
848	-0.0772	PX	0.00	1.00
851	-0.1545	PX	0.00	1.04
854	-0.1545	PX	0.00	1.04
855	-0.0772	PX	0.00	1.00
858	-0.1545	PX	0.00	1.04
861	-0.1545	PX	0.00	1.04
862	-0.0772	PX	0.00	1.00
865	-0.1545	PX	0.00	1.04
868	-0.1545	PX	0.00	1.04
869	-0.0772	PX	0.00	1.00
872	-0.1545	PX	0.00	1.04
875	-0.1545	PX	0.00	1.04

↑ STAAD SPACE

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876	-0.0772	PX	0.00	1.00
879	-0.1545	PX	0.00	1.04
882	-0.1545	PX	0.00	1.04
883	-0.0772	PX	0.00	1.00
886	-0.1545	PX	0.00	1.04
889	-0.1545	PX	0.00	1.04
890	-0.0772	PX	0.00	1.00
893	-0.1545	PX	0.00	1.04
896	-0.1545	PX	0.00	1.04
897	-0.0772	PX	0.00	1.00
939	-0.0772	PX	0.00	1.44
940	-0.0772	PX	0.00	1.44
941	-0.0772	PX	0.00	1.44
942	-0.0772	PX	0.00	1.44
943	-0.0772	PX	0.00	1.44
944	-0.0772	PX	0.00	1.44
945	-0.0772	PX	0.00	1.44
946	-0.0772	PX	0.00	1.44
947	-0.0772	PX	0.00	1.44
948	-0.0772	PX	0.00	1.44
949	-0.0772	PX	0.00	1.44
950	-0.0772	PX	0.00	1.44
951	-0.0772	PX	0.00	1.44
952	-0.0772	PX	0.00	1.44
953	-0.0772	PX	0.00	1.44
954	-0.0772	PX	0.00	1.44
955	-0.0772	PX	0.00	1.44
956	-0.0772	PX	0.00	1.44
957	-0.0772	PX	0.00	1.44
958	-0.0772	PX	0.00	1.44
959	-0.0772	PX	0.00	1.44
960	-0.0772	PX	0.00	1.44
961	-0.0772	PX	0.00	1.44
962	-0.0772	PX	0.00	1.44
963	-0.0772	PX	0.00	1.44

964	-0.0772	PX	0.00	1.44
965	-0.0772	PX	0.00	1.44
966	-0.0772	PX	0.00	1.44
967	-0.0772	PX	0.00	1.44
968	-0.0772	PX	0.00	1.44
969	-0.0772	PX	0.00	1.44
970	-0.0772	PX	0.00	1.44
971	-0.0772	PX	0.00	1.44
972	-0.0772	PX	0.00	1.44
973	-0.0772	PX	0.00	1.44
974	-0.0772	PX	0.00	1.44
975	-0.0772	PX	0.00	1.44
976	-0.0772	PX	0.00	1.44
977	-0.0772	PX	0.00	1.44
978	-0.0772	PX	0.00	1.44
1019	-0.0772	PX	0.00	1.41
1020	-0.0772	PX	0.00	1.41

↑ STAAD SPACE

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MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
449	-0.2060	PX	0.00	1.00			
459	-0.2060	PX	0.00	1.00			
461	-0.2060	PX	0.00	1.00			
463	-0.2060	PX	0.00	1.00			
465	-0.2060	PX	0.00	1.00			
467	-0.2060	PX	0.00	1.00			
469	-0.2060	PX	0.00	1.00			
471	-0.2060	PX	0.00	1.00			
482	-0.2060	PX	0.00	1.00			
492	-0.2060	PX	0.00	1.00			
494	-0.2060	PX	0.00	1.00			
496	-0.2060	PX	0.00	1.00			
498	-0.2060	PX	0.00	1.00			
500	-0.2060	PX	0.00	1.00			
502	-0.2060	PX	0.00	1.00			
504	-0.2060	PX	0.00	1.00			
515	-0.0772	PX	0.00	1.00			
517	-0.0772	PX	0.00	1.00			
519	-0.0772	PX	0.00	1.00			
521	-0.0772	PX	0.00	1.00			
523	-0.0772	PX	0.00	1.00			
525	-0.0772	PX	0.00	1.00			
527	-0.0772	PX	0.00	1.00			
536	-0.0772	PX	0.00	1.41			
537	-0.0772	PX	0.00	1.41			

538	-0.0772	PX	0.00	1.41
539	-0.0772	PX	0.00	1.41
540	-0.0772	PX	0.00	1.41
541	-0.0772	PX	0.00	1.41
542	-0.0772	PX	0.00	1.41
543	-0.0772	PX	0.00	1.41
566	-0.0772	PX	0.00	1.00
590	-0.0772	PX	0.00	1.00
594	-0.0772	PX	0.00	1.00
598	-0.0772	PX	0.00	1.00
601	-0.1545	PX	0.00	1.00
603	-0.1545	PX	0.00	1.00
606	-0.1545	PX	0.00	1.04
607	-0.1545	PX	0.00	1.04
608	-0.1545	PX	0.00	1.04
609	-0.1545	PX	0.00	1.04
612	-0.1545	PX	0.00	1.04
613	-0.1545	PX	0.00	1.04
614	-0.1545	PX	0.00	1.04
615	-0.1545	PX	0.00	1.04
616	-0.1545	PX	0.00	1.04
617	-0.1545	PX	0.00	1.04
618	-0.1545	PX	0.00	1.04
619	-0.1545	PX	0.00	1.04
620	-0.1545	PX	0.00	1.04

↑ STAAD SPACE

621	-0.1545	PX	0.00	1.04
622	-0.1545	PX	0.00	1.04
623	-0.1545	PX	0.00	1.04
624	-0.1545	PX	0.00	1.04
625	-0.1545	PX	0.00	1.04
626	-0.1545	PX	0.00	1.04
627	-0.1545	PX	0.00	1.04
628	-0.1545	PX	0.00	1.04
629	-0.1545	PX	0.00	1.04
630	-0.1545	PX	0.00	1.04
631	-0.1545	PX	0.00	1.04
632	-0.1545	PX	0.00	1.04
633	-0.1545	PX	0.00	1.04
634	-0.1545	PX	0.00	1.04
635	-0.1545	PX	0.00	1.04
636	-0.1545	PX	0.00	1.04
637	-0.1545	PX	0.00	1.04
638	-0.1545	PX	0.00	1.04
639	-0.1545	PX	0.00	1.04
640	-0.1545	PX	0.00	1.04
641	-0.1545	PX	0.00	1.04
642	-0.1545	PX	0.00	1.04
643	-0.1545	PX	0.00	1.04

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644	-0.1545	PX	0.00	1.04
645	-0.1545	PX	0.00	1.04
646	-0.1545	PX	0.00	1.04
647	-0.1545	PX	0.00	1.04
649	-0.1545	PX	0.00	1.04
653	-0.0772	PX	0.00	1.00
656	-0.1545	PX	0.00	1.04
660	-0.0772	PX	0.00	1.00
663	-0.1545	PX	0.00	1.04
667	-0.0772	PX	0.00	1.00
670	-0.1545	PX	0.00	1.04
674	-0.0772	PX	0.00	1.00
677	-0.1545	PX	0.00	1.04
681	-0.0772	PX	0.00	1.00
684	-0.1545	PX	0.00	1.04
688	-0.0772	PX	0.00	1.00
691	-0.1545	PX	0.00	1.04
695	-0.0772	PX	0.00	1.00
698	-0.1545	PX	0.00	1.04
702	-0.0772	PX	0.00	1.00
705	-0.1545	PX	0.00	1.04
709	-0.0772	PX	0.00	1.00
712	-0.1545	PX	0.00	1.04
716	-0.0772	PX	0.00	1.00
719	-0.1545	PX	0.00	1.04
723	-0.0772	PX	0.00	1.00
726	-0.1545	PX	0.00	1.04
730	-0.0772	PX	0.00	1.00
733	-0.1545	PX	0.00	1.04
737	-0.0772	PX	0.00	1.00
740	-0.1545	PX	0.00	1.04
744	-0.0772	PX	0.00	1.00
747	-0.1545	PX	0.00	1.04

↑ STAAD SPACE

751	-0.0772	PX	0.00	1.00
754	-0.1545	PX	0.00	1.04
758	-0.0772	PX	0.00	1.00
761	-0.1545	PX	0.00	1.04
765	-0.0772	PX	0.00	1.00
768	-0.1545	PX	0.00	1.04
772	-0.0772	PX	0.00	1.00
775	-0.1545	PX	0.00	1.04
779	-0.0772	PX	0.00	1.00
782	-0.1545	PX	0.00	1.04
786	-0.0772	PX	0.00	1.00
789	-0.1545	PX	0.00	1.04
793	-0.0772	PX	0.00	1.00
796	-0.1545	PX	0.00	1.04
800	-0.0772	PX	0.00	1.00

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803	-0.1545	PX	0.00	1.04
807	-0.0772	PX	0.00	1.00
810	-0.1545	PX	0.00	1.04
814	-0.0772	PX	0.00	1.00
817	-0.1545	PX	0.00	1.04
821	-0.0772	PX	0.00	1.00
824	-0.1545	PX	0.00	1.04
828	-0.0772	PX	0.00	1.00
831	-0.1545	PX	0.00	1.04
835	-0.0772	PX	0.00	1.00
838	-0.1545	PX	0.00	1.04
842	-0.0772	PX	0.00	1.00
845	-0.1545	PX	0.00	1.04
849	-0.0772	PX	0.00	1.00
852	-0.1545	PX	0.00	1.04
856	-0.0772	PX	0.00	1.00
859	-0.1545	PX	0.00	1.04
863	-0.0772	PX	0.00	1.00
866	-0.1545	PX	0.00	1.04
870	-0.0772	PX	0.00	1.00
873	-0.1545	PX	0.00	1.04
877	-0.0772	PX	0.00	1.00
880	-0.1545	PX	0.00	1.04
884	-0.0772	PX	0.00	1.00
887	-0.1545	PX	0.00	1.04
891	-0.0772	PX	0.00	1.00
894	-0.1545	PX	0.00	1.04
898	-0.0772	PX	0.00	1.00
979	-0.0772	PX	0.00	1.44
980	-0.0772	PX	0.00	1.44
981	-0.0772	PX	0.00	1.44
982	-0.0772	PX	0.00	1.44
983	-0.0772	PX	0.00	1.44
984	-0.0772	PX	0.00	1.44
985	-0.0772	PX	0.00	1.44
986	-0.0772	PX	0.00	1.44
987	-0.0772	PX	0.00	1.44
988	-0.0772	PX	0.00	1.44
989	-0.0772	PX	0.00	1.44
990	-0.0772	PX	0.00	1.44
991	-0.0772	PX	0.00	1.44

↑ STAAD SPACE

992	-0.0772	PX	0.00	1.44
993	-0.0772	PX	0.00	1.44
994	-0.0772	PX	0.00	1.44
995	-0.0772	PX	0.00	1.44
996	-0.0772	PX	0.00	1.44
997	-0.0772	PX	0.00	1.44
998	-0.0772	PX	0.00	1.44

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999	-0.0772	PX	0.00	1.44
1000	-0.0772	PX	0.00	1.44
1001	-0.0772	PX	0.00	1.44
1002	-0.0772	PX	0.00	1.44
1003	-0.0772	PX	0.00	1.44
1004	-0.0772	PX	0.00	1.44
1005	-0.0772	PX	0.00	1.44
1006	-0.0772	PX	0.00	1.44
1007	-0.0772	PX	0.00	1.44
1008	-0.0772	PX	0.00	1.44
1009	-0.0772	PX	0.00	1.44
1010	-0.0772	PX	0.00	1.44
1011	-0.0772	PX	0.00	1.44
1012	-0.0772	PX	0.00	1.44
1013	-0.0772	PX	0.00	1.44
1014	-0.0772	PX	0.00	1.44
1015	-0.0772	PX	0.00	1.44
1016	-0.0772	PX	0.00	1.44
1017	-0.0772	PX	0.00	1.44
1018	-0.0772	PX	0.00	1.44
1021	-0.0772	PX	0.00	1.41
1022	-0.0772	PX	0.00	1.41

JOINT LOAD - UNIT KN METE

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
173	-0.20	0.00	0.00	0.00	0.00	0.00
191	-0.20	0.00	0.00	0.00	0.00	0.00
206	-0.20	0.00	0.00	0.00	0.00	0.00
218	-0.20	0.00	0.00	0.00	0.00	0.00
262	-0.20	0.00	0.00	0.00	0.00	0.00
265	-0.20	0.00	0.00	0.00	0.00	0.00
268	-0.20	0.00	0.00	0.00	0.00	0.00
271	-0.20	0.00	0.00	0.00	0.00	0.00
274	-0.20	0.00	0.00	0.00	0.00	0.00
277	-0.20	0.00	0.00	0.00	0.00	0.00
280	-0.20	0.00	0.00	0.00	0.00	0.00
283	-0.20	0.00	0.00	0.00	0.00	0.00
286	-0.20	0.00	0.00	0.00	0.00	0.00
289	-0.20	0.00	0.00	0.00	0.00	0.00
292	-0.20	0.00	0.00	0.00	0.00	0.00
295	-0.20	0.00	0.00	0.00	0.00	0.00
298	-0.20	0.00	0.00	0.00	0.00	0.00
301	-0.20	0.00	0.00	0.00	0.00	0.00
304	-0.20	0.00	0.00	0.00	0.00	0.00
307	-0.20	0.00	0.00	0.00	0.00	0.00
310	-0.20	0.00	0.00	0.00	0.00	0.00

313	-0.20	0.00	0.00	0.00	0.00	0.00
316	-0.20	0.00	0.00	0.00	0.00	0.00
319	-0.20	0.00	0.00	0.00	0.00	0.00
322	-0.20	0.00	0.00	0.00	0.00	0.00
325	-0.20	0.00	0.00	0.00	0.00	0.00
328	-0.20	0.00	0.00	0.00	0.00	0.00
331	-0.20	0.00	0.00	0.00	0.00	0.00
334	-0.20	0.00	0.00	0.00	0.00	0.00
337	-0.20	0.00	0.00	0.00	0.00	0.00
340	-0.20	0.00	0.00	0.00	0.00	0.00
343	-0.20	0.00	0.00	0.00	0.00	0.00
346	-0.20	0.00	0.00	0.00	0.00	0.00
349	-0.20	0.00	0.00	0.00	0.00	0.00
352	-0.20	0.00	0.00	0.00	0.00	0.00
355	-0.20	0.00	0.00	0.00	0.00	0.00
358	-0.20	0.00	0.00	0.00	0.00	0.00
361	-0.20	0.00	0.00	0.00	0.00	0.00
364	-0.20	0.00	0.00	0.00	0.00	0.00
367	-0.20	0.00	0.00	0.00	0.00	0.00

LOADING 52 WIND LOAD IN +Z DIR (WZ (+VE))

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
448	0.0772 PZ	0.00	1.00				
449	0.0772 PZ	0.00	1.00				
450	0.0772 PZ	0.00	1.00				
451	0.0772 PZ	0.00	1.00				
452	0.0772 PZ	0.00	1.00				
453	0.0772 PZ	0.00	1.00				
454	0.0772 PZ	0.00	1.00				
455	0.0772 PZ	0.00	1.00				
457	0.0772 PZ	0.00	1.00				
459	0.0772 PZ	0.00	1.00				
460	0.0772 PZ	0.00	1.00				
461	0.0772 PZ	0.00	1.00				
462	0.0772 PZ	0.00	1.00				
463	0.0772 PZ	0.00	1.00				
464	0.0772 PZ	0.00	1.00				
465	0.0772 PZ	0.00	1.00				
466	0.0772 PZ	0.00	1.00				
467	0.0772 PZ	0.00	1.00				
468	0.0772 PZ	0.00	1.00				
469	0.0772 PZ	0.00	1.00				

470	0.0772	PZ	0.00	1.00
471	0.0772	PZ	0.00	1.00
472	0.0772	PZ	0.00	1.00
473	0.0772	PZ	0.00	1.41
474	0.0772	PZ	0.00	1.41
475	0.0772	PZ	0.00	1.41
476	0.0772	PZ	0.00	1.41

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477	0.0772	PZ	0.00	1.41
478	0.0772	PZ	0.00	1.41
479	0.0772	PZ	0.00	1.41
480	0.0772	PZ	0.00	1.41
596	0.0772	PZ	0.00	1.00

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
481	0.0772	PZ	0.00	1.00			
482	0.0772	PZ	0.00	1.00			
483	0.0772	PZ	0.00	1.00			
484	0.0772	PZ	0.00	1.00			
485	0.0772	PZ	0.00	1.00			
486	0.0772	PZ	0.00	1.00			
487	0.0772	PZ	0.00	1.00			
488	0.0772	PZ	0.00	1.00			
490	0.0772	PZ	0.00	1.00			
492	0.0772	PZ	0.00	1.00			
493	0.0772	PZ	0.00	1.00			
494	0.0772	PZ	0.00	1.00			
495	0.0772	PZ	0.00	1.00			
496	0.0772	PZ	0.00	1.00			
497	0.0772	PZ	0.00	1.00			
498	0.0772	PZ	0.00	1.00			
499	0.0772	PZ	0.00	1.00			
500	0.0772	PZ	0.00	1.00			
501	0.0772	PZ	0.00	1.00			
502	0.0772	PZ	0.00	1.00			
503	0.0772	PZ	0.00	1.00			
504	0.0772	PZ	0.00	1.00			
505	0.0772	PZ	0.00	1.00			
506	0.0772	PZ	0.00	1.41			
507	0.0772	PZ	0.00	1.41			
508	0.0772	PZ	0.00	1.41			
509	0.0772	PZ	0.00	1.41			
510	0.0772	PZ	0.00	1.41			
511	0.0772	PZ	0.00	1.41			
512	0.0772	PZ	0.00	1.41			

513	0.0772 PZ	0.00	1.41
592	0.0772 PZ	0.00	1.00

LOADING 54 WIND LOAD IN -Z DIR (WZ (-VE))

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
448	-0.0772 PZ	0.00	1.00				
449	-0.0772 PZ	0.00	1.00				
450	-0.0772 PZ	0.00	1.00				

▲ STAAD SPACE

451	-0.0772 PZ	0.00	1.00
452	-0.0772 PZ	0.00	1.00
453	-0.0772 PZ	0.00	1.00
454	-0.0772 PZ	0.00	1.00
455	-0.0772 PZ	0.00	1.00
457	-0.0772 PZ	0.00	1.00
459	-0.0772 PZ	0.00	1.00
460	-0.0772 PZ	0.00	1.00
461	-0.0772 PZ	0.00	1.00
462	-0.0772 PZ	0.00	1.00
463	-0.0772 PZ	0.00	1.00
464	-0.0772 PZ	0.00	1.00
465	-0.0772 PZ	0.00	1.00
466	-0.0772 PZ	0.00	1.00
467	-0.0772 PZ	0.00	1.00
468	-0.0772 PZ	0.00	1.00
469	-0.0772 PZ	0.00	1.00
470	-0.0772 PZ	0.00	1.00
471	-0.0772 PZ	0.00	1.00
472	-0.0772 PZ	0.00	1.00
473	-0.0772 PZ	0.00	1.41
474	-0.0772 PZ	0.00	1.41
475	-0.0772 PZ	0.00	1.41
476	-0.0772 PZ	0.00	1.41
477	-0.0772 PZ	0.00	1.41
478	-0.0772 PZ	0.00	1.41
479	-0.0772 PZ	0.00	1.41
480	-0.0772 PZ	0.00	1.41
596	-0.0772 PZ	0.00	1.00

MEMBER LOAD - UNIT KN METE

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MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
481	-0.0772 PZ	0.00	1.00				
482	-0.0772 PZ	0.00	1.00				
483	-0.0772 PZ	0.00	1.00				
484	-0.0772 PZ	0.00	1.00				
485	-0.0772 PZ	0.00	1.00				
486	-0.0772 PZ	0.00	1.00				
487	-0.0772 PZ	0.00	1.00				
488	-0.0772 PZ	0.00	1.00				
490	-0.0772 PZ	0.00	1.00				
492	-0.0772 PZ	0.00	1.00				
493	-0.0772 PZ	0.00	1.00				
494	-0.0772 PZ	0.00	1.00				
495	-0.0772 PZ	0.00	1.00				
496	-0.0772 PZ	0.00	1.00				
497	-0.0772 PZ	0.00	1.00				
498	-0.0772 PZ	0.00	1.00				
499	-0.0772 PZ	0.00	1.00				
500	-0.0772 PZ	0.00	1.00				
501	-0.0772 PZ	0.00	1.00				
502	-0.0772 PZ	0.00	1.00				
503	-0.0772 PZ	0.00	1.00				

↑ STAAD SPACE

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504	-0.0772 PZ	0.00	1.00
505	-0.0772 PZ	0.00	1.00
506	-0.0772 PZ	0.00	1.41
507	-0.0772 PZ	0.00	1.41
508	-0.0772 PZ	0.00	1.41
509	-0.0772 PZ	0.00	1.41
510	-0.0772 PZ	0.00	1.41
511	-0.0772 PZ	0.00	1.41
512	-0.0772 PZ	0.00	1.41
513	-0.0772 PZ	0.00	1.41
592	-0.0772 PZ	0.00	1.00

LOADING 55 WIND LOAD SUCTION IN +X DIR (WX (+VE))

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
448	0.2060 PX	0.00	1.00				
450	0.2060 PX	0.00	1.00				
451	0.2060 PX	0.00	1.00				
452	0.2060 PX	0.00	1.00				

453	0.2060	PX	0.00	1.00
454	0.2060	PX	0.00	1.00
455	0.2060	PX	0.00	1.00
457	0.2060	PX	0.00	1.00
481	0.2060	PX	0.00	1.00
483	0.2060	PX	0.00	1.00
484	0.2060	PX	0.00	1.00
485	0.2060	PX	0.00	1.00
486	0.2060	PX	0.00	1.00
487	0.2060	PX	0.00	1.00
488	0.2060	PX	0.00	1.00
490	0.2060	PX	0.00	1.00
514	0.0772	PX	0.00	1.00
516	0.0772	PX	0.00	1.00
518	0.0772	PX	0.00	1.00
520	0.0772	PX	0.00	1.00
522	0.0772	PX	0.00	1.00
524	0.0772	PX	0.00	1.00
526	0.0772	PX	0.00	1.00
528	0.0772	PX	0.00	1.41
529	0.0772	PX	0.00	1.41
530	0.0772	PX	0.00	1.41
531	0.0772	PX	0.00	1.41
532	0.0772	PX	0.00	1.41
533	0.0772	PX	0.00	1.41
534	0.0772	PX	0.00	1.41
535	0.0772	PX	0.00	1.41
565	0.0772	PX	0.00	1.00
589	0.0772	PX	0.00	1.00
593	0.0772	PX	0.00	1.00
597	0.0772	PX	0.00	1.00

▲ STAAD SPACE

600	0.1545	PX	0.00	1.00
602	0.1545	PX	0.00	1.00
604	0.1545	PX	0.00	1.04
605	0.1545	PX	0.00	1.04
610	0.1545	PX	0.00	1.04
611	0.1545	PX	0.00	1.04
648	0.1545	PX	0.00	1.04
651	0.1545	PX	0.00	1.04
652	0.0772	PX	0.00	1.00
655	0.1545	PX	0.00	1.04
658	0.1545	PX	0.00	1.04
659	0.0772	PX	0.00	1.00
662	0.1545	PX	0.00	1.04
665	0.1545	PX	0.00	1.04
666	0.0772	PX	0.00	1.00
669	0.1545	PX	0.00	1.04
672	0.1545	PX	0.00	1.04

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673	0.0772	PX	0.00	1.00
676	0.1545	PX	0.00	1.04
679	0.1545	PX	0.00	1.04
680	0.0772	PX	0.00	1.00
683	0.1545	PX	0.00	1.04
686	0.1545	PX	0.00	1.04
687	0.0772	PX	0.00	1.00
690	0.1545	PX	0.00	1.04
693	0.1545	PX	0.00	1.04
694	0.0772	PX	0.00	1.00
697	0.1545	PX	0.00	1.04
700	0.1545	PX	0.00	1.04
701	0.0772	PX	0.00	1.00
704	0.1545	PX	0.00	1.04
707	0.1545	PX	0.00	1.04
708	0.0772	PX	0.00	1.00
711	0.1545	PX	0.00	1.04
714	0.1545	PX	0.00	1.04
715	0.0772	PX	0.00	1.00
718	0.1545	PX	0.00	1.04
721	0.1545	PX	0.00	1.04
722	0.0772	PX	0.00	1.00
725	0.1545	PX	0.00	1.04
728	0.1545	PX	0.00	1.04
729	0.0772	PX	0.00	1.00
732	0.1545	PX	0.00	1.04
735	0.1545	PX	0.00	1.04
736	0.0772	PX	0.00	1.00
739	0.1545	PX	0.00	1.04
742	0.1545	PX	0.00	1.04
743	0.0772	PX	0.00	1.00
746	0.1545	PX	0.00	1.04
749	0.1545	PX	0.00	1.04
750	0.0772	PX	0.00	1.00
753	0.1545	PX	0.00	1.04
756	0.1545	PX	0.00	1.04
757	0.0772	PX	0.00	1.00
760	0.1545	PX	0.00	1.04
763	0.1545	PX	0.00	1.04

↑ STAAD SPACE

764	0.0772	PX	0.00	1.00
767	0.1545	PX	0.00	1.04
770	0.1545	PX	0.00	1.04
771	0.0772	PX	0.00	1.00
774	0.1545	PX	0.00	1.04
777	0.1545	PX	0.00	1.04
778	0.0772	PX	0.00	1.00
781	0.1545	PX	0.00	1.04
784	0.1545	PX	0.00	1.04

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785	0.0772	PX	0.00	1.00
788	0.1545	PX	0.00	1.04
791	0.1545	PX	0.00	1.04
792	0.0772	PX	0.00	1.00
795	0.1545	PX	0.00	1.04
798	0.1545	PX	0.00	1.04
799	0.0772	PX	0.00	1.00
802	0.1545	PX	0.00	1.04
805	0.1545	PX	0.00	1.04
806	0.0772	PX	0.00	1.00
809	0.1545	PX	0.00	1.04
812	0.1545	PX	0.00	1.04
813	0.0772	PX	0.00	1.00
816	0.1545	PX	0.00	1.04
819	0.1545	PX	0.00	1.04
820	0.0772	PX	0.00	1.00
823	0.1545	PX	0.00	1.04
826	0.1545	PX	0.00	1.04
827	0.0772	PX	0.00	1.00
830	0.1545	PX	0.00	1.04
833	0.1545	PX	0.00	1.04
834	0.0772	PX	0.00	1.00
837	0.1545	PX	0.00	1.04
840	0.1545	PX	0.00	1.04
841	0.0772	PX	0.00	1.00
844	0.1545	PX	0.00	1.04
847	0.1545	PX	0.00	1.04
848	0.0772	PX	0.00	1.00
851	0.1545	PX	0.00	1.04
854	0.1545	PX	0.00	1.04
855	0.0772	PX	0.00	1.00
858	0.1545	PX	0.00	1.04
861	0.1545	PX	0.00	1.04
862	0.0772	PX	0.00	1.00
865	0.1545	PX	0.00	1.04
868	0.1545	PX	0.00	1.04
869	0.0772	PX	0.00	1.00
872	0.1545	PX	0.00	1.04
875	0.1545	PX	0.00	1.04
876	0.0772	PX	0.00	1.00
879	0.1545	PX	0.00	1.04
882	0.1545	PX	0.00	1.04
883	0.0772	PX	0.00	1.00
886	0.1545	PX	0.00	1.04
889	0.1545	PX	0.00	1.04
890	0.0772	PX	0.00	1.00
893	0.1545	PX	0.00	1.04

▲ STAAD SPACE

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896	0.1545	PX	0.00	1.04
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897	0.0772	PX	0.00	1.00
939	0.0772	PX	0.00	1.44
940	0.0772	PX	0.00	1.44
941	0.0772	PX	0.00	1.44
942	0.0772	PX	0.00	1.44
943	0.0772	PX	0.00	1.44
944	0.0772	PX	0.00	1.44
945	0.0772	PX	0.00	1.44
946	0.0772	PX	0.00	1.44
947	0.0772	PX	0.00	1.44
948	0.0772	PX	0.00	1.44
949	0.0772	PX	0.00	1.44
950	0.0772	PX	0.00	1.44
951	0.0772	PX	0.00	1.44
952	0.0772	PX	0.00	1.44
953	0.0772	PX	0.00	1.44
954	0.0772	PX	0.00	1.44
955	0.0772	PX	0.00	1.44
956	0.0772	PX	0.00	1.44
957	0.0772	PX	0.00	1.44
958	0.0772	PX	0.00	1.44
959	0.0772	PX	0.00	1.44
960	0.0772	PX	0.00	1.44
961	0.0772	PX	0.00	1.44
962	0.0772	PX	0.00	1.44
963	0.0772	PX	0.00	1.44
964	0.0772	PX	0.00	1.44
965	0.0772	PX	0.00	1.44
966	0.0772	PX	0.00	1.44
967	0.0772	PX	0.00	1.44
968	0.0772	PX	0.00	1.44
969	0.0772	PX	0.00	1.44
970	0.0772	PX	0.00	1.44
971	0.0772	PX	0.00	1.44
972	0.0772	PX	0.00	1.44
973	0.0772	PX	0.00	1.44
974	0.0772	PX	0.00	1.44
975	0.0772	PX	0.00	1.44
976	0.0772	PX	0.00	1.44
977	0.0772	PX	0.00	1.44
978	0.0772	PX	0.00	1.44
1019	0.0772	PX	0.00	1.41
1020	0.0772	PX	0.00	1.41

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON
449	0.2060 PX	0.00	1.00	

459	0.2060	PX	0.00	1.00
461	0.2060	PX	0.00	1.00
463	0.2060	PX	0.00	1.00
465	0.2060	PX	0.00	1.00
467	0.2060	PX	0.00	1.00

↑ STAAD SPACE

469	0.2060	PX	0.00	1.00
471	0.2060	PX	0.00	1.00
482	0.2060	PX	0.00	1.00
492	0.2060	PX	0.00	1.00
494	0.2060	PX	0.00	1.00
496	0.2060	PX	0.00	1.00
498	0.2060	PX	0.00	1.00
500	0.2060	PX	0.00	1.00
502	0.2060	PX	0.00	1.00
504	0.2060	PX	0.00	1.00
515	0.0772	PX	0.00	1.00
517	0.0772	PX	0.00	1.00
519	0.0772	PX	0.00	1.00
521	0.0772	PX	0.00	1.00
523	0.0772	PX	0.00	1.00
525	0.0772	PX	0.00	1.00
527	0.0772	PX	0.00	1.00
536	0.0772	PX	0.00	1.41
537	0.0772	PX	0.00	1.41
538	0.0772	PX	0.00	1.41
539	0.0772	PX	0.00	1.41
540	0.0772	PX	0.00	1.41
541	0.0772	PX	0.00	1.41
542	0.0772	PX	0.00	1.41
543	0.0772	PX	0.00	1.41
566	0.0772	PX	0.00	1.00
590	0.0772	PX	0.00	1.00
594	0.0772	PX	0.00	1.00
598	0.0772	PX	0.00	1.00
601	0.1545	PX	0.00	1.00
603	0.1545	PX	0.00	1.00
606	0.1545	PX	0.00	1.04
607	0.1545	PX	0.00	1.04
608	0.1545	PX	0.00	1.04
609	0.1545	PX	0.00	1.04
612	0.1545	PX	0.00	1.04
613	0.1545	PX	0.00	1.04
614	0.1545	PX	0.00	1.04
615	0.1545	PX	0.00	1.04
616	0.1545	PX	0.00	1.04
617	0.1545	PX	0.00	1.04
618	0.1545	PX	0.00	1.04
619	0.1545	PX	0.00	1.04

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620	0.1545	PX	0.00	1.04
621	0.1545	PX	0.00	1.04
622	0.1545	PX	0.00	1.04
623	0.1545	PX	0.00	1.04
624	0.1545	PX	0.00	1.04
625	0.1545	PX	0.00	1.04
626	0.1545	PX	0.00	1.04
627	0.1545	PX	0.00	1.04
628	0.1545	PX	0.00	1.04
629	0.1545	PX	0.00	1.04
630	0.1545	PX	0.00	1.04
631	0.1545	PX	0.00	1.04
632	0.1545	PX	0.00	1.04

▲ STAAD SPACE

633	0.1545	PX	0.00	1.04
634	0.1545	PX	0.00	1.04
635	0.1545	PX	0.00	1.04
636	0.1545	PX	0.00	1.04
637	0.1545	PX	0.00	1.04
638	0.1545	PX	0.00	1.04
639	0.1545	PX	0.00	1.04
640	0.1545	PX	0.00	1.04
641	0.1545	PX	0.00	1.04
642	0.1545	PX	0.00	1.04
643	0.1545	PX	0.00	1.04
644	0.1545	PX	0.00	1.04
645	0.1545	PX	0.00	1.04
646	0.1545	PX	0.00	1.04
647	0.1545	PX	0.00	1.04
649	0.1545	PX	0.00	1.04
653	0.0772	PX	0.00	1.00
656	0.1545	PX	0.00	1.04
660	0.0772	PX	0.00	1.00
663	0.1545	PX	0.00	1.04
667	0.0772	PX	0.00	1.00
670	0.1545	PX	0.00	1.04
674	0.0772	PX	0.00	1.00
677	0.1545	PX	0.00	1.04
681	0.0772	PX	0.00	1.00
684	0.1545	PX	0.00	1.04
688	0.0772	PX	0.00	1.00
691	0.1545	PX	0.00	1.04
695	0.0772	PX	0.00	1.00
698	0.1545	PX	0.00	1.04
702	0.0772	PX	0.00	1.00
705	0.1545	PX	0.00	1.04
709	0.0772	PX	0.00	1.00
712	0.1545	PX	0.00	1.04
716	0.0772	PX	0.00	1.00

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719	0.1545	PX	0.00	1.04
723	0.0772	PX	0.00	1.00
726	0.1545	PX	0.00	1.04
730	0.0772	PX	0.00	1.00
733	0.1545	PX	0.00	1.04
737	0.0772	PX	0.00	1.00
740	0.1545	PX	0.00	1.04
744	0.0772	PX	0.00	1.00
747	0.1545	PX	0.00	1.04
751	0.0772	PX	0.00	1.00
754	0.1545	PX	0.00	1.04
758	0.0772	PX	0.00	1.00
761	0.1545	PX	0.00	1.04
765	0.0772	PX	0.00	1.00
768	0.1545	PX	0.00	1.04
772	0.0772	PX	0.00	1.00
775	0.1545	PX	0.00	1.04
779	0.0772	PX	0.00	1.00
782	0.1545	PX	0.00	1.04
786	0.0772	PX	0.00	1.00
789	0.1545	PX	0.00	1.04

↑ STAAD SPACE

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793	0.0772	PX	0.00	1.00
796	0.1545	PX	0.00	1.04
800	0.0772	PX	0.00	1.00
803	0.1545	PX	0.00	1.04
807	0.0772	PX	0.00	1.00
810	0.1545	PX	0.00	1.04
814	0.0772	PX	0.00	1.00
817	0.1545	PX	0.00	1.04
821	0.0772	PX	0.00	1.00
824	0.1545	PX	0.00	1.04
828	0.0772	PX	0.00	1.00
831	0.1545	PX	0.00	1.04
835	0.0772	PX	0.00	1.00
838	0.1545	PX	0.00	1.04
842	0.0772	PX	0.00	1.00
845	0.1545	PX	0.00	1.04
849	0.0772	PX	0.00	1.00
852	0.1545	PX	0.00	1.04
856	0.0772	PX	0.00	1.00
859	0.1545	PX	0.00	1.04
863	0.0772	PX	0.00	1.00
866	0.1545	PX	0.00	1.04
870	0.0772	PX	0.00	1.00
873	0.1545	PX	0.00	1.04
877	0.0772	PX	0.00	1.00
880	0.1545	PX	0.00	1.04
884	0.0772	PX	0.00	1.00

887	0.1545	PX	0.00	1.04
891	0.0772	PX	0.00	1.00
894	0.1545	PX	0.00	1.04
898	0.0772	PX	0.00	1.00
979	0.0772	PX	0.00	1.44
980	0.0772	PX	0.00	1.44
981	0.0772	PX	0.00	1.44
982	0.0772	PX	0.00	1.44
983	0.0772	PX	0.00	1.44
984	0.0772	PX	0.00	1.44
985	0.0772	PX	0.00	1.44
986	0.0772	PX	0.00	1.44
987	0.0772	PX	0.00	1.44
988	0.0772	PX	0.00	1.44
989	0.0772	PX	0.00	1.44
990	0.0772	PX	0.00	1.44
991	0.0772	PX	0.00	1.44
992	0.0772	PX	0.00	1.44
993	0.0772	PX	0.00	1.44
994	0.0772	PX	0.00	1.44
995	0.0772	PX	0.00	1.44
996	0.0772	PX	0.00	1.44
997	0.0772	PX	0.00	1.44
998	0.0772	PX	0.00	1.44
999	0.0772	PX	0.00	1.44
1000	0.0772	PX	0.00	1.44
1001	0.0772	PX	0.00	1.44
1002	0.0772	PX	0.00	1.44
1003	0.0772	PX	0.00	1.44

▲ STAAD SPACE

1004	0.0772	PX	0.00	1.44
1005	0.0772	PX	0.00	1.44
1006	0.0772	PX	0.00	1.44
1007	0.0772	PX	0.00	1.44
1008	0.0772	PX	0.00	1.44
1009	0.0772	PX	0.00	1.44
1010	0.0772	PX	0.00	1.44
1011	0.0772	PX	0.00	1.44
1012	0.0772	PX	0.00	1.44
1013	0.0772	PX	0.00	1.44
1014	0.0772	PX	0.00	1.44
1015	0.0772	PX	0.00	1.44
1016	0.0772	PX	0.00	1.44
1017	0.0772	PX	0.00	1.44
1018	0.0772	PX	0.00	1.44
1021	0.0772	PX	0.00	1.41
1022	0.0772	PX	0.00	1.41

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JOINT LOAD - UNIT KN METE

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
171	0.20	0.00	0.00	0.00	0.00	0.00
189	0.20	0.00	0.00	0.00	0.00	0.00
205	0.20	0.00	0.00	0.00	0.00	0.00
217	0.20	0.00	0.00	0.00	0.00	0.00
261	0.20	0.00	0.00	0.00	0.00	0.00
264	0.20	0.00	0.00	0.00	0.00	0.00
267	0.20	0.00	0.00	0.00	0.00	0.00
270	0.20	0.00	0.00	0.00	0.00	0.00
273	0.20	0.00	0.00	0.00	0.00	0.00
276	0.20	0.00	0.00	0.00	0.00	0.00
279	0.20	0.00	0.00	0.00	0.00	0.00
282	0.20	0.00	0.00	0.00	0.00	0.00
285	0.20	0.00	0.00	0.00	0.00	0.00
288	0.20	0.00	0.00	0.00	0.00	0.00
291	0.20	0.00	0.00	0.00	0.00	0.00
294	0.20	0.00	0.00	0.00	0.00	0.00
297	0.20	0.00	0.00	0.00	0.00	0.00
300	0.20	0.00	0.00	0.00	0.00	0.00
303	0.20	0.00	0.00	0.00	0.00	0.00
306	0.20	0.00	0.00	0.00	0.00	0.00
309	0.20	0.00	0.00	0.00	0.00	0.00
312	0.20	0.00	0.00	0.00	0.00	0.00
315	0.20	0.00	0.00	0.00	0.00	0.00
318	0.20	0.00	0.00	0.00	0.00	0.00
321	0.20	0.00	0.00	0.00	0.00	0.00
324	0.20	0.00	0.00	0.00	0.00	0.00
327	0.20	0.00	0.00	0.00	0.00	0.00
330	0.20	0.00	0.00	0.00	0.00	0.00
333	0.20	0.00	0.00	0.00	0.00	0.00
336	0.20	0.00	0.00	0.00	0.00	0.00
339	0.20	0.00	0.00	0.00	0.00	0.00
342	0.20	0.00	0.00	0.00	0.00	0.00
345	0.20	0.00	0.00	0.00	0.00	0.00
↑ STAAD SPACE						
348	0.20	0.00	0.00	0.00	0.00	0.00
351	0.20	0.00	0.00	0.00	0.00	0.00
354	0.20	0.00	0.00	0.00	0.00	0.00
357	0.20	0.00	0.00	0.00	0.00	0.00
360	0.20	0.00	0.00	0.00	0.00	0.00
363	0.20	0.00	0.00	0.00	0.00	0.00
366	0.20	0.00	0.00	0.00	0.00	0.00

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LOADING 56 WIND LOAD SUCTION IN +Z DIR (WZ (+VE))

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
448	0.0772 PZ	0.00	1.00				
449	0.0772 PZ	0.00	1.00				
450	0.0772 PZ	0.00	1.00				
451	0.0772 PZ	0.00	1.00				
452	0.0772 PZ	0.00	1.00				
453	0.0772 PZ	0.00	1.00				
454	0.0772 PZ	0.00	1.00				
455	0.0772 PZ	0.00	1.00				
457	0.0772 PZ	0.00	1.00				
459	0.0772 PZ	0.00	1.00				
460	0.0772 PZ	0.00	1.00				
461	0.0772 PZ	0.00	1.00				
462	0.0772 PZ	0.00	1.00				
463	0.0772 PZ	0.00	1.00				
464	0.0772 PZ	0.00	1.00				
465	0.0772 PZ	0.00	1.00				
466	0.0772 PZ	0.00	1.00				
467	0.0772 PZ	0.00	1.00				
468	0.0772 PZ	0.00	1.00				
469	0.0772 PZ	0.00	1.00				
470	0.0772 PZ	0.00	1.00				
471	0.0772 PZ	0.00	1.00				
472	0.0772 PZ	0.00	1.00				
473	0.0772 PZ	0.00	1.41				
474	0.0772 PZ	0.00	1.41				
475	0.0772 PZ	0.00	1.41				
476	0.0772 PZ	0.00	1.41				
477	0.0772 PZ	0.00	1.41				
478	0.0772 PZ	0.00	1.41				
479	0.0772 PZ	0.00	1.41				
480	0.0772 PZ	0.00	1.41				
596	0.0772 PZ	0.00	1.00				

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
481	0.0772 PZ	0.00	1.00				
482	0.0772 PZ	0.00	1.00				
483	0.0772 PZ	0.00	1.00				
484	0.0772 PZ	0.00	1.00				

▲

STAAD SPACE

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485	0.0772	PZ	0.00	1.00
486	0.0772	PZ	0.00	1.00
487	0.0772	PZ	0.00	1.00
488	0.0772	PZ	0.00	1.00
490	0.0772	PZ	0.00	1.00
492	0.0772	PZ	0.00	1.00
493	0.0772	PZ	0.00	1.00
494	0.0772	PZ	0.00	1.00
495	0.0772	PZ	0.00	1.00
496	0.0772	PZ	0.00	1.00
497	0.0772	PZ	0.00	1.00
498	0.0772	PZ	0.00	1.00
499	0.0772	PZ	0.00	1.00
500	0.0772	PZ	0.00	1.00
501	0.0772	PZ	0.00	1.00
502	0.0772	PZ	0.00	1.00
503	0.0772	PZ	0.00	1.00
504	0.0772	PZ	0.00	1.00
505	0.0772	PZ	0.00	1.00
506	0.0772	PZ	0.00	1.41
507	0.0772	PZ	0.00	1.41
508	0.0772	PZ	0.00	1.41
509	0.0772	PZ	0.00	1.41
510	0.0772	PZ	0.00	1.41
511	0.0772	PZ	0.00	1.41
512	0.0772	PZ	0.00	1.41
513	0.0772	PZ	0.00	1.41
592	0.0772	PZ	0.00	1.00

LOADING 57 WIND LOAD SUCTION IN -X DIR (WX (-VE))

MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
448	-0.2060 PX	0.00	1.00				
450	-0.2060 PX	0.00	1.00				
451	-0.2060 PX	0.00	1.00				
452	-0.2060 PX	0.00	1.00				
453	-0.2060 PX	0.00	1.00				
454	-0.2060 PX	0.00	1.00				
455	-0.2060 PX	0.00	1.00				
457	-0.2060 PX	0.00	1.00				
481	-0.2060 PX	0.00	1.00				
483	-0.2060 PX	0.00	1.00				
484	-0.2060 PX	0.00	1.00				
485	-0.2060 PX	0.00	1.00				

486	-0.2060	PX	0.00	1.00
487	-0.2060	PX	0.00	1.00
488	-0.2060	PX	0.00	1.00



STAAD SPACE

490	-0.2060	PX	0.00	1.00
514	-0.0772	PX	0.00	1.00
516	-0.0772	PX	0.00	1.00
518	-0.0772	PX	0.00	1.00
520	-0.0772	PX	0.00	1.00
522	-0.0772	PX	0.00	1.00
524	-0.0772	PX	0.00	1.00
526	-0.0772	PX	0.00	1.00
528	-0.0772	PX	0.00	1.41
529	-0.0772	PX	0.00	1.41
530	-0.0772	PX	0.00	1.41
531	-0.0772	PX	0.00	1.41
532	-0.0772	PX	0.00	1.41
533	-0.0772	PX	0.00	1.41
534	-0.0772	PX	0.00	1.41
535	-0.0772	PX	0.00	1.41
565	-0.0772	PX	0.00	1.00
589	-0.0772	PX	0.00	1.00
593	-0.0772	PX	0.00	1.00
597	-0.0772	PX	0.00	1.00
600	-0.1545	PX	0.00	1.00
602	-0.1545	PX	0.00	1.00
604	-0.1545	PX	0.00	1.04
605	-0.1545	PX	0.00	1.04
610	-0.1545	PX	0.00	1.04
611	-0.1545	PX	0.00	1.04
648	-0.1545	PX	0.00	1.04
651	-0.1545	PX	0.00	1.04
652	-0.0772	PX	0.00	1.00
655	-0.1545	PX	0.00	1.04
658	-0.1545	PX	0.00	1.04
659	-0.0772	PX	0.00	1.00
662	-0.1545	PX	0.00	1.04
665	-0.1545	PX	0.00	1.04
666	-0.0772	PX	0.00	1.00
669	-0.1545	PX	0.00	1.04
672	-0.1545	PX	0.00	1.04
673	-0.0772	PX	0.00	1.00
676	-0.1545	PX	0.00	1.04
679	-0.1545	PX	0.00	1.04
680	-0.0772	PX	0.00	1.00
683	-0.1545	PX	0.00	1.04
686	-0.1545	PX	0.00	1.04
687	-0.0772	PX	0.00	1.00
690	-0.1545	PX	0.00	1.04

693	-0.1545	PX	0.00	1.04
694	-0.0772	PX	0.00	1.00
697	-0.1545	PX	0.00	1.04
700	-0.1545	PX	0.00	1.04
701	-0.0772	PX	0.00	1.00
704	-0.1545	PX	0.00	1.04
707	-0.1545	PX	0.00	1.04
708	-0.0772	PX	0.00	1.00
711	-0.1545	PX	0.00	1.04
714	-0.1545	PX	0.00	1.04
715	-0.0772	PX	0.00	1.00

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718	-0.1545	PX	0.00	1.04
721	-0.1545	PX	0.00	1.04
722	-0.0772	PX	0.00	1.00
725	-0.1545	PX	0.00	1.04
728	-0.1545	PX	0.00	1.04
729	-0.0772	PX	0.00	1.00
732	-0.1545	PX	0.00	1.04
735	-0.1545	PX	0.00	1.04
736	-0.0772	PX	0.00	1.00
739	-0.1545	PX	0.00	1.04
742	-0.1545	PX	0.00	1.04
743	-0.0772	PX	0.00	1.00
746	-0.1545	PX	0.00	1.04
749	-0.1545	PX	0.00	1.04
750	-0.0772	PX	0.00	1.00
753	-0.1545	PX	0.00	1.04
756	-0.1545	PX	0.00	1.04
757	-0.0772	PX	0.00	1.00
760	-0.1545	PX	0.00	1.04
763	-0.1545	PX	0.00	1.04
764	-0.0772	PX	0.00	1.00
767	-0.1545	PX	0.00	1.04
770	-0.1545	PX	0.00	1.04
771	-0.0772	PX	0.00	1.00
774	-0.1545	PX	0.00	1.04
777	-0.1545	PX	0.00	1.04
778	-0.0772	PX	0.00	1.00
781	-0.1545	PX	0.00	1.04
784	-0.1545	PX	0.00	1.04
785	-0.0772	PX	0.00	1.00
788	-0.1545	PX	0.00	1.04
791	-0.1545	PX	0.00	1.04
792	-0.0772	PX	0.00	1.00
795	-0.1545	PX	0.00	1.04
798	-0.1545	PX	0.00	1.04
799	-0.0772	PX	0.00	1.00
802	-0.1545	PX	0.00	1.04

805	-0.1545	PX	0.00	1.04
806	-0.0772	PX	0.00	1.00
809	-0.1545	PX	0.00	1.04
812	-0.1545	PX	0.00	1.04
813	-0.0772	PX	0.00	1.00
816	-0.1545	PX	0.00	1.04
819	-0.1545	PX	0.00	1.04
820	-0.0772	PX	0.00	1.00
823	-0.1545	PX	0.00	1.04
826	-0.1545	PX	0.00	1.04
827	-0.0772	PX	0.00	1.00
830	-0.1545	PX	0.00	1.04
833	-0.1545	PX	0.00	1.04
834	-0.0772	PX	0.00	1.00
837	-0.1545	PX	0.00	1.04
840	-0.1545	PX	0.00	1.04
841	-0.0772	PX	0.00	1.00
844	-0.1545	PX	0.00	1.04
847	-0.1545	PX	0.00	1.04



STAAD SPACE

848	-0.0772	PX	0.00	1.00
851	-0.1545	PX	0.00	1.04
854	-0.1545	PX	0.00	1.04
855	-0.0772	PX	0.00	1.00
858	-0.1545	PX	0.00	1.04
861	-0.1545	PX	0.00	1.04
862	-0.0772	PX	0.00	1.00
865	-0.1545	PX	0.00	1.04
868	-0.1545	PX	0.00	1.04
869	-0.0772	PX	0.00	1.00
872	-0.1545	PX	0.00	1.04
875	-0.1545	PX	0.00	1.04
876	-0.0772	PX	0.00	1.00
879	-0.1545	PX	0.00	1.04
882	-0.1545	PX	0.00	1.04
883	-0.0772	PX	0.00	1.00
886	-0.1545	PX	0.00	1.04
889	-0.1545	PX	0.00	1.04
890	-0.0772	PX	0.00	1.00
893	-0.1545	PX	0.00	1.04
896	-0.1545	PX	0.00	1.04
897	-0.0772	PX	0.00	1.00
939	-0.0772	PX	0.00	1.44
940	-0.0772	PX	0.00	1.44
941	-0.0772	PX	0.00	1.44
942	-0.0772	PX	0.00	1.44
943	-0.0772	PX	0.00	1.44
944	-0.0772	PX	0.00	1.44
945	-0.0772	PX	0.00	1.44

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946	-0.0772	PX	0.00	1.44
947	-0.0772	PX	0.00	1.44
948	-0.0772	PX	0.00	1.44
949	-0.0772	PX	0.00	1.44
950	-0.0772	PX	0.00	1.44
951	-0.0772	PX	0.00	1.44
952	-0.0772	PX	0.00	1.44
953	-0.0772	PX	0.00	1.44
954	-0.0772	PX	0.00	1.44
955	-0.0772	PX	0.00	1.44
956	-0.0772	PX	0.00	1.44
957	-0.0772	PX	0.00	1.44
958	-0.0772	PX	0.00	1.44
959	-0.0772	PX	0.00	1.44
960	-0.0772	PX	0.00	1.44
961	-0.0772	PX	0.00	1.44
962	-0.0772	PX	0.00	1.44
963	-0.0772	PX	0.00	1.44
964	-0.0772	PX	0.00	1.44
965	-0.0772	PX	0.00	1.44
966	-0.0772	PX	0.00	1.44
967	-0.0772	PX	0.00	1.44
968	-0.0772	PX	0.00	1.44
969	-0.0772	PX	0.00	1.44
970	-0.0772	PX	0.00	1.44
971	-0.0772	PX	0.00	1.44
972	-0.0772	PX	0.00	1.44

↑ STAAD SPACE

973	-0.0772	PX	0.00	1.44
974	-0.0772	PX	0.00	1.44
975	-0.0772	PX	0.00	1.44
976	-0.0772	PX	0.00	1.44
977	-0.0772	PX	0.00	1.44
978	-0.0772	PX	0.00	1.44
1019	-0.0772	PX	0.00	1.41
1020	-0.0772	PX	0.00	1.41

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MEMBER LOAD - UNIT KN METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
449	-0.2060	PX	0.00	1.00			
459	-0.2060	PX	0.00	1.00			
461	-0.2060	PX	0.00	1.00			
463	-0.2060	PX	0.00	1.00			
465	-0.2060	PX	0.00	1.00			
467	-0.2060	PX	0.00	1.00			
469	-0.2060	PX	0.00	1.00			

471	-0.2060	PX	0.00	1.00
482	-0.2060	PX	0.00	1.00
492	-0.2060	PX	0.00	1.00
494	-0.2060	PX	0.00	1.00
496	-0.2060	PX	0.00	1.00
498	-0.2060	PX	0.00	1.00
500	-0.2060	PX	0.00	1.00
502	-0.2060	PX	0.00	1.00
504	-0.2060	PX	0.00	1.00
515	-0.0772	PX	0.00	1.00
517	-0.0772	PX	0.00	1.00
519	-0.0772	PX	0.00	1.00
521	-0.0772	PX	0.00	1.00
523	-0.0772	PX	0.00	1.00
525	-0.0772	PX	0.00	1.00
527	-0.0772	PX	0.00	1.00
536	-0.0772	PX	0.00	1.41
537	-0.0772	PX	0.00	1.41
538	-0.0772	PX	0.00	1.41
539	-0.0772	PX	0.00	1.41
540	-0.0772	PX	0.00	1.41
541	-0.0772	PX	0.00	1.41
542	-0.0772	PX	0.00	1.41
543	-0.0772	PX	0.00	1.41
566	-0.0772	PX	0.00	1.00
590	-0.0772	PX	0.00	1.00
594	-0.0772	PX	0.00	1.00
598	-0.0772	PX	0.00	1.00
601	-0.1545	PX	0.00	1.00
603	-0.1545	PX	0.00	1.00
606	-0.1545	PX	0.00	1.04
607	-0.1545	PX	0.00	1.04
608	-0.1545	PX	0.00	1.04
609	-0.1545	PX	0.00	1.04
612	-0.1545	PX	0.00	1.04

↑ STAAD SPACE

613	-0.1545	PX	0.00	1.04
614	-0.1545	PX	0.00	1.04
615	-0.1545	PX	0.00	1.04
616	-0.1545	PX	0.00	1.04
617	-0.1545	PX	0.00	1.04
618	-0.1545	PX	0.00	1.04
619	-0.1545	PX	0.00	1.04
620	-0.1545	PX	0.00	1.04
621	-0.1545	PX	0.00	1.04
622	-0.1545	PX	0.00	1.04
623	-0.1545	PX	0.00	1.04
624	-0.1545	PX	0.00	1.04
625	-0.1545	PX	0.00	1.04

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626	-0.1545	PX	0.00	1.04
627	-0.1545	PX	0.00	1.04
628	-0.1545	PX	0.00	1.04
629	-0.1545	PX	0.00	1.04
630	-0.1545	PX	0.00	1.04
631	-0.1545	PX	0.00	1.04
632	-0.1545	PX	0.00	1.04
633	-0.1545	PX	0.00	1.04
634	-0.1545	PX	0.00	1.04
635	-0.1545	PX	0.00	1.04
636	-0.1545	PX	0.00	1.04
637	-0.1545	PX	0.00	1.04
638	-0.1545	PX	0.00	1.04
639	-0.1545	PX	0.00	1.04
640	-0.1545	PX	0.00	1.04
641	-0.1545	PX	0.00	1.04
642	-0.1545	PX	0.00	1.04
643	-0.1545	PX	0.00	1.04
644	-0.1545	PX	0.00	1.04
645	-0.1545	PX	0.00	1.04
646	-0.1545	PX	0.00	1.04
647	-0.1545	PX	0.00	1.04
649	-0.1545	PX	0.00	1.04
653	-0.0772	PX	0.00	1.00
656	-0.1545	PX	0.00	1.04
660	-0.0772	PX	0.00	1.00
663	-0.1545	PX	0.00	1.04
667	-0.0772	PX	0.00	1.00
670	-0.1545	PX	0.00	1.04
674	-0.0772	PX	0.00	1.00
677	-0.1545	PX	0.00	1.04
681	-0.0772	PX	0.00	1.00
684	-0.1545	PX	0.00	1.04
688	-0.0772	PX	0.00	1.00
691	-0.1545	PX	0.00	1.04
695	-0.0772	PX	0.00	1.00
698	-0.1545	PX	0.00	1.04
702	-0.0772	PX	0.00	1.00
705	-0.1545	PX	0.00	1.04
709	-0.0772	PX	0.00	1.00
712	-0.1545	PX	0.00	1.04
716	-0.0772	PX	0.00	1.00
719	-0.1545	PX	0.00	1.04

▲ STAAD SPACE

723	-0.0772	PX	0.00	1.00
726	-0.1545	PX	0.00	1.04
730	-0.0772	PX	0.00	1.00
733	-0.1545	PX	0.00	1.04
737	-0.0772	PX	0.00	1.00

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740	-0.1545	PX	0.00	1.04
744	-0.0772	PX	0.00	1.00
747	-0.1545	PX	0.00	1.04
751	-0.0772	PX	0.00	1.00
754	-0.1545	PX	0.00	1.04
758	-0.0772	PX	0.00	1.00
761	-0.1545	PX	0.00	1.04
765	-0.0772	PX	0.00	1.00
768	-0.1545	PX	0.00	1.04
772	-0.0772	PX	0.00	1.00
775	-0.1545	PX	0.00	1.04
779	-0.0772	PX	0.00	1.00
782	-0.1545	PX	0.00	1.04
786	-0.0772	PX	0.00	1.00
789	-0.1545	PX	0.00	1.04
793	-0.0772	PX	0.00	1.00
796	-0.1545	PX	0.00	1.04
800	-0.0772	PX	0.00	1.00
803	-0.1545	PX	0.00	1.04
807	-0.0772	PX	0.00	1.00
810	-0.1545	PX	0.00	1.04
814	-0.0772	PX	0.00	1.00
817	-0.1545	PX	0.00	1.04
821	-0.0772	PX	0.00	1.00
824	-0.1545	PX	0.00	1.04
828	-0.0772	PX	0.00	1.00
831	-0.1545	PX	0.00	1.04
835	-0.0772	PX	0.00	1.00
838	-0.1545	PX	0.00	1.04
842	-0.0772	PX	0.00	1.00
845	-0.1545	PX	0.00	1.04
849	-0.0772	PX	0.00	1.00
852	-0.1545	PX	0.00	1.04
856	-0.0772	PX	0.00	1.00
859	-0.1545	PX	0.00	1.04
863	-0.0772	PX	0.00	1.00
866	-0.1545	PX	0.00	1.04
870	-0.0772	PX	0.00	1.00
873	-0.1545	PX	0.00	1.04
877	-0.0772	PX	0.00	1.00
880	-0.1545	PX	0.00	1.04
884	-0.0772	PX	0.00	1.00
887	-0.1545	PX	0.00	1.04
891	-0.0772	PX	0.00	1.00
894	-0.1545	PX	0.00	1.04
898	-0.0772	PX	0.00	1.00
979	-0.0772	PX	0.00	1.44
980	-0.0772	PX	0.00	1.44
981	-0.0772	PX	0.00	1.44
982	-0.0772	PX	0.00	1.44

450	-0.0772	PZ	0.00	1.00
451	-0.0772	PZ	0.00	1.00
452	-0.0772	PZ	0.00	1.00
453	-0.0772	PZ	0.00	1.00
454	-0.0772	PZ	0.00	1.00
455	-0.0772	PZ	0.00	1.00
457	-0.0772	PZ	0.00	1.00
459	-0.0772	PZ	0.00	1.00
460	-0.0772	PZ	0.00	1.00
461	-0.0772	PZ	0.00	1.00
462	-0.0772	PZ	0.00	1.00
463	-0.0772	PZ	0.00	1.00
464	-0.0772	PZ	0.00	1.00
465	-0.0772	PZ	0.00	1.00
466	-0.0772	PZ	0.00	1.00
467	-0.0772	PZ	0.00	1.00
468	-0.0772	PZ	0.00	1.00

↑ STAAD SPACE

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469	-0.0772	PZ	0.00	1.00
470	-0.0772	PZ	0.00	1.00
471	-0.0772	PZ	0.00	1.00
472	-0.0772	PZ	0.00	1.00
473	-0.0772	PZ	0.00	1.41
474	-0.0772	PZ	0.00	1.41
475	-0.0772	PZ	0.00	1.41
476	-0.0772	PZ	0.00	1.41
477	-0.0772	PZ	0.00	1.41
478	-0.0772	PZ	0.00	1.41
479	-0.0772	PZ	0.00	1.41
480	-0.0772	PZ	0.00	1.41
596	-0.0772	PZ	0.00	1.00

MEMBER LOAD - UNIT KN METE

MEMBER	UDL		L1	L2	CON	L	LIN1	LIN2
481	-0.0772	PZ	0.00	1.00				
482	-0.0772	PZ	0.00	1.00				
483	-0.0772	PZ	0.00	1.00				
484	-0.0772	PZ	0.00	1.00				
485	-0.0772	PZ	0.00	1.00				
486	-0.0772	PZ	0.00	1.00				
487	-0.0772	PZ	0.00	1.00				
488	-0.0772	PZ	0.00	1.00				
490	-0.0772	PZ	0.00	1.00				
492	-0.0772	PZ	0.00	1.00				
493	-0.0772	PZ	0.00	1.00				
494	-0.0772	PZ	0.00	1.00				

495	-0.0772	PZ	0.00	1.00
496	-0.0772	PZ	0.00	1.00
497	-0.0772	PZ	0.00	1.00
498	-0.0772	PZ	0.00	1.00
499	-0.0772	PZ	0.00	1.00
500	-0.0772	PZ	0.00	1.00
501	-0.0772	PZ	0.00	1.00
502	-0.0772	PZ	0.00	1.00
503	-0.0772	PZ	0.00	1.00
504	-0.0772	PZ	0.00	1.00
505	-0.0772	PZ	0.00	1.00
506	-0.0772	PZ	0.00	1.41
507	-0.0772	PZ	0.00	1.41
508	-0.0772	PZ	0.00	1.41
509	-0.0772	PZ	0.00	1.41
510	-0.0772	PZ	0.00	1.41
511	-0.0772	PZ	0.00	1.41
512	-0.0772	PZ	0.00	1.41
513	-0.0772	PZ	0.00	1.41
592	-0.0772	PZ	0.00	1.00

LOADING 61 LOADTYPE LIVE TITLE MONORAIL

STAAD SPACE

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**WARNING: IF THIS UBC/IBC ANALYSIS HAS TENSION/COMPRESSION
OR REPEAT LOAD OR RE-ANALYSIS OR SELECT OPTIMIZE, THEN EACH
UBC/IBC CASE SHOULD BE FOLLOWED BY PERFORM ANALYSIS & CHANGE.

BASE SHEAR AND TIME PERIOD IN X

```
*****
* UNITS - KN      METE                      *
* TIME PERIOD FOR X 1893 LOADING = 0.24783 SEC *
* SA/G PER 1893= 3.500, LOAD FACTOR= 1.000 *
* AH PER 1893= 0.066 WEIGHT= 104.73 KN *
*****
```

***NOTE: For Industrial Structures, Static Seismic Load is applied
per node. Use command: PRINT LOAD DATA to view the applied load at
each node. Ref. C1.10.2

BASE SHEAR AND TIME PERIOD IN Z

```
*****
```

* UNITS - KN METE *

* TIME PERIOD FOR Z 1893 LOADING = 0.03903 SEC *

* SA/G PER 1893= 2.220, LOAD FACTOR= 1.000 *

* AH PER 1893= 0.042 WEIGHT= 104.73 KN *

***NOTE: For Industrial Structures, Static Seismic Load is applied per node. Use command: PRINT LOAD DATA to view the applied load at each node. Ref. C1.10.2

JOINT		LATERAL LOAD (KN)		TORSIONAL MOMENT (KN	LOAD -	
				-METE)	FACTOR -	

162	FX	0.021	MY	0.000
164	FX	0.030	MY	0.000
180	FX	0.030	MY	0.000
182	FX	0.038	MY	0.000

TOTAL =	0.119		0.000	AT LEVEL	1.000	METE
---------	-------	--	-------	----------	-------	------

165	FX	0.038	MY	0.000
178	FX	0.030	MY	0.000
183	FX	0.030	MY	0.000
196	FX	0.021	MY	0.000

TOTAL =	0.119		0.000	AT LEVEL	2.000	METE
---------	-------	--	-------	----------	-------	------

166	FX	0.021	MY	0.000
177	FX	0.030	MY	0.000
184	FX	0.030	MY	0.000
195	FX	0.038	MY	0.000

↑ STAAD SPACE

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TOTAL =	0.119		0.000	AT LEVEL	3.000	METE
---------	-------	--	-------	----------	-------	------

167	FX	0.038	MY	0.000
176	FX	0.030	MY	0.000
185	FX	0.030	MY	0.000
194	FX	0.021	MY	0.000

TOTAL =	0.119		0.000	AT LEVEL	4.000	METE
---------	-------	--	-------	----------	-------	------

168	FX	0.021	MY	0.000
175	FX	0.030	MY	0.000
186	FX	0.030	MY	0.000
193	FX	0.038	MY	0.000

TOTAL =		0.119		0.000 AT LEVEL	5.000 METE
169	FX	0.038	MY	0.000	
174	FX	0.030	MY	0.000	
187	FX	0.030	MY	0.000	
192	FX	0.021	MY	0.000	

TOTAL =		0.119		0.000 AT LEVEL	6.000 METE
170	FX	0.021	MY	0.000	
172	FX	0.030	MY	0.000	
188	FX	0.030	MY	0.000	
190	FX	0.038	MY	0.000	

TOTAL =		0.119		0.000 AT LEVEL	7.000 METE
171	FX	0.069	MY	0.000	
173	FX	0.054	MY	0.000	
189	FX	0.056	MY	0.000	
191	FX	0.058	MY	0.000	
205	FX	0.042	MY	0.000	
206	FX	0.035	MY	0.000	
217	FX	0.037	MY	0.000	
218	FX	0.039	MY	0.000	
261	FX	0.045	MY	0.000	
262	FX	0.051	MY	0.000	
264	FX	0.054	MY	0.000	
265	FX	0.042	MY	0.000	
267	FX	0.045	MY	0.000	
268	FX	0.051	MY	0.000	
270	FX	0.054	MY	0.000	
271	FX	0.042	MY	0.000	
273	FX	0.045	MY	0.000	
274	FX	0.051	MY	0.000	
276	FX	0.054	MY	0.000	
277	FX	0.042	MY	0.000	

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279	FX	0.045	MY	0.000
280	FX	0.051	MY	0.000
282	FX	0.054	MY	0.000
283	FX	0.042	MY	0.000
285	FX	0.049	MY	0.000
286	FX	0.055	MY	0.000
288	FX	0.058	MY	0.000
289	FX	0.047	MY	0.000
291	FX	0.045	MY	0.000
292	FX	0.051	MY	0.000
294	FX	0.054	MY	0.000
295	FX	0.042	MY	0.000

297	FX	0.045	MY	0.000
298	FX	0.051	MY	0.000
300	FX	0.054	MY	0.000
301	FX	0.042	MY	0.000
303	FX	0.045	MY	0.000
304	FX	0.051	MY	0.000
306	FX	0.054	MY	0.000
307	FX	0.042	MY	0.000
309	FX	0.045	MY	0.000
310	FX	0.051	MY	0.000
312	FX	0.054	MY	0.000
313	FX	0.042	MY	0.000
315	FX	0.045	MY	0.000
316	FX	0.051	MY	0.000
318	FX	0.054	MY	0.000
319	FX	0.042	MY	0.000
321	FX	0.045	MY	0.000
322	FX	0.051	MY	0.000
324	FX	0.054	MY	0.000
325	FX	0.042	MY	0.000
327	FX	0.045	MY	0.000
328	FX	0.051	MY	0.000
330	FX	0.054	MY	0.000
331	FX	0.042	MY	0.000
333	FX	0.045	MY	0.000
334	FX	0.051	MY	0.000
336	FX	0.054	MY	0.000
337	FX	0.042	MY	0.000
339	FX	0.049	MY	0.000
340	FX	0.055	MY	0.000
342	FX	0.058	MY	0.000
343	FX	0.047	MY	0.000
345	FX	0.045	MY	0.000
346	FX	0.051	MY	0.000
348	FX	0.054	MY	0.000
349	FX	0.042	MY	0.000
351	FX	0.045	MY	0.000
352	FX	0.051	MY	0.000
354	FX	0.054	MY	0.000
355	FX	0.042	MY	0.000
357	FX	0.045	MY	0.000
358	FX	0.051	MY	0.000
360	FX	0.054	MY	0.000
361	FX	0.042	MY	0.000

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363	FX	0.045	MY	0.000
364	FX	0.051	MY	0.000
366	FX	0.054	MY	0.000
367	FX	0.042	MY	0.000

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TOTAL =		3.879		0.000 AT LEVEL	8.000 METE		
207	FX	0.026	MY	0.000			
208	FX	0.021	MY	0.000			
219	FX	0.021	MY	0.000			
220	FX	0.026	MY	0.000			
221	FX	0.026	MY	0.000			
222	FX	0.035	MY	0.000			
223	FX	0.035	MY	0.000			
224	FX	0.026	MY	0.000			
225	FX	0.022	MY	0.000			
226	FX	0.031	MY	0.000			
227	FX	0.022	MY	0.000			
228	FX	0.031	MY	0.000			
229	FX	0.022	MY	0.000			
230	FX	0.031	MY	0.000			
231	FX	0.022	MY	0.000			
232	FX	0.031	MY	0.000			
233	FX	0.022	MY	0.000			
234	FX	0.031	MY	0.000			
235	FX	0.022	MY	0.000			
236	FX	0.031	MY	0.000			
237	FX	0.022	MY	0.000			
238	FX	0.031	MY	0.000			
239	FX	0.022	MY	0.000			
240	FX	0.031	MY	0.000			
241	FX	0.022	MY	0.000			
242	FX	0.031	MY	0.000			
243	FX	0.031	MY	0.000			
244	FX	0.022	MY	0.000			
245	FX	0.031	MY	0.000			
246	FX	0.022	MY	0.000			
247	FX	0.031	MY	0.000			
248	FX	0.022	MY	0.000			
249	FX	0.031	MY	0.000			
250	FX	0.022	MY	0.000			
251	FX	0.031	MY	0.000			
252	FX	0.022	MY	0.000			
253	FX	0.031	MY	0.000			
254	FX	0.022	MY	0.000			
255	FX	0.031	MY	0.000			
256	FX	0.022	MY	0.000			
257	FX	0.031	MY	0.000			
258	FX	0.022	MY	0.000			
259	FX	0.031	MY	0.000			
260	FX	0.022	MY	0.000			
263	FX	0.022	MY	0.000			
266	FX	0.031	MY	0.000			
269	FX	0.022	MY	0.000			

272 FX 0.031 MY 0.000
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275	FX	0.022	MY	0.000
278	FX	0.031	MY	0.000
281	FX	0.022	MY	0.000
284	FX	0.031	MY	0.000
287	FX	0.022	MY	0.000
290	FX	0.031	MY	0.000
293	FX	0.022	MY	0.000
296	FX	0.031	MY	0.000
299	FX	0.022	MY	0.000
302	FX	0.031	MY	0.000
305	FX	0.022	MY	0.000
308	FX	0.031	MY	0.000
311	FX	0.022	MY	0.000
314	FX	0.031	MY	0.000
317	FX	0.022	MY	0.000
320	FX	0.031	MY	0.000
323	FX	0.022	MY	0.000
326	FX	0.031	MY	0.000
329	FX	0.022	MY	0.000
332	FX	0.031	MY	0.000
335	FX	0.022	MY	0.000
338	FX	0.031	MY	0.000
341	FX	0.022	MY	0.000
344	FX	0.031	MY	0.000
347	FX	0.022	MY	0.000
350	FX	0.031	MY	0.000
353	FX	0.022	MY	0.000
356	FX	0.031	MY	0.000
359	FX	0.022	MY	0.000
362	FX	0.031	MY	0.000
365	FX	0.022	MY	0.000
368	FX	0.031	MY	0.000

 TOTAL = 2.116 0.000 AT LEVEL 9.000 METE

JOINT		LATERAL LOAD (KN)	TORSIONAL MOMENT (KN -METE)	LOAD - FACTOR -	2 1.000
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162	FZ	0.013	MY	0.000
164	FZ	0.019	MY	0.000
180	FZ	0.019	MY	0.000
182	FZ	0.024	MY	0.000

 TOTAL = 0.075 0.000 AT LEVEL 1.000 METE

165	FZ	0.024	MY	0.000
178	FZ	0.019	MY	0.000
183	FZ	0.019	MY	0.000
196	FZ	0.013	MY	0.000

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TOTAL =		0.075	0.000 AT LEVEL	2.000 METE
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166	FZ	0.013	MY	0.000
177	FZ	0.019	MY	0.000
184	FZ	0.019	MY	0.000
195	FZ	0.024	MY	0.000

TOTAL =		0.075	0.000 AT LEVEL	3.000 METE
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167	FZ	0.024	MY	0.000
176	FZ	0.019	MY	0.000
185	FZ	0.019	MY	0.000
194	FZ	0.013	MY	0.000

TOTAL =		0.075	0.000 AT LEVEL	4.000 METE
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168	FZ	0.013	MY	0.000
175	FZ	0.019	MY	0.000
186	FZ	0.019	MY	0.000
193	FZ	0.024	MY	0.000

TOTAL =		0.075	0.000 AT LEVEL	5.000 METE
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169	FZ	0.024	MY	0.000
174	FZ	0.019	MY	0.000
187	FZ	0.019	MY	0.000
192	FZ	0.013	MY	0.000

TOTAL =		0.075	0.000 AT LEVEL	6.000 METE
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170	FZ	0.013	MY	0.000
172	FZ	0.019	MY	0.000
188	FZ	0.019	MY	0.000
190	FZ	0.024	MY	0.000

TOTAL =		0.075	0.000 AT LEVEL	7.000 METE
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171	FZ	0.044	MY	0.000
173	FZ	0.034	MY	0.000
189	FZ	0.036	MY	0.000
191	FZ	0.037	MY	0.000
205	FZ	0.026	MY	0.000

206	FZ	0.022	MY	0.000
217	FZ	0.024	MY	0.000
218	FZ	0.025	MY	0.000
261	FZ	0.028	MY	0.000
262	FZ	0.032	MY	0.000
264	FZ	0.034	MY	0.000
265	FZ	0.027	MY	0.000

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267	FZ	0.028	MY	0.000
268	FZ	0.032	MY	0.000
270	FZ	0.034	MY	0.000
271	FZ	0.027	MY	0.000
273	FZ	0.028	MY	0.000
274	FZ	0.032	MY	0.000
276	FZ	0.034	MY	0.000
277	FZ	0.027	MY	0.000
279	FZ	0.028	MY	0.000
280	FZ	0.032	MY	0.000
282	FZ	0.034	MY	0.000
283	FZ	0.027	MY	0.000
285	FZ	0.031	MY	0.000
286	FZ	0.035	MY	0.000
288	FZ	0.037	MY	0.000
289	FZ	0.030	MY	0.000
291	FZ	0.028	MY	0.000
292	FZ	0.032	MY	0.000
294	FZ	0.034	MY	0.000
295	FZ	0.027	MY	0.000
297	FZ	0.028	MY	0.000
298	FZ	0.032	MY	0.000
300	FZ	0.034	MY	0.000
301	FZ	0.027	MY	0.000
303	FZ	0.028	MY	0.000
304	FZ	0.032	MY	0.000
306	FZ	0.034	MY	0.000
307	FZ	0.027	MY	0.000
309	FZ	0.028	MY	0.000
310	FZ	0.032	MY	0.000
312	FZ	0.034	MY	0.000
313	FZ	0.027	MY	0.000
315	FZ	0.028	MY	0.000
316	FZ	0.032	MY	0.000
318	FZ	0.034	MY	0.000
319	FZ	0.027	MY	0.000
321	FZ	0.028	MY	0.000
322	FZ	0.032	MY	0.000
324	FZ	0.034	MY	0.000
325	FZ	0.027	MY	0.000
327	FZ	0.028	MY	0.000

328	FZ	0.032	MY	0.000
330	FZ	0.034	MY	0.000
331	FZ	0.027	MY	0.000
333	FZ	0.028	MY	0.000
334	FZ	0.032	MY	0.000
336	FZ	0.034	MY	0.000
337	FZ	0.027	MY	0.000
339	FZ	0.031	MY	0.000
340	FZ	0.035	MY	0.000
342	FZ	0.037	MY	0.000
343	FZ	0.030	MY	0.000
345	FZ	0.028	MY	0.000
346	FZ	0.032	MY	0.000
348	FZ	0.034	MY	0.000
349	FZ	0.027	MY	0.000

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351	FZ	0.028	MY	0.000
352	FZ	0.032	MY	0.000
354	FZ	0.034	MY	0.000
355	FZ	0.027	MY	0.000
357	FZ	0.028	MY	0.000
358	FZ	0.032	MY	0.000
360	FZ	0.034	MY	0.000
361	FZ	0.027	MY	0.000
363	FZ	0.028	MY	0.000
364	FZ	0.032	MY	0.000
366	FZ	0.034	MY	0.000
367	FZ	0.027	MY	0.000

TOTAL = 2.460

0.000 AT LEVEL 8.000 METE

207	FZ	0.016	MY	0.000
208	FZ	0.014	MY	0.000
219	FZ	0.014	MY	0.000
220	FZ	0.016	MY	0.000
221	FZ	0.017	MY	0.000
222	FZ	0.022	MY	0.000
223	FZ	0.022	MY	0.000
224	FZ	0.017	MY	0.000
225	FZ	0.014	MY	0.000
226	FZ	0.019	MY	0.000
227	FZ	0.014	MY	0.000
228	FZ	0.019	MY	0.000
229	FZ	0.014	MY	0.000
230	FZ	0.019	MY	0.000
231	FZ	0.014	MY	0.000
232	FZ	0.019	MY	0.000
233	FZ	0.014	MY	0.000
234	FZ	0.019	MY	0.000

235	FZ	0.014	MY	0.000
236	FZ	0.019	MY	0.000
237	FZ	0.014	MY	0.000
238	FZ	0.019	MY	0.000
239	FZ	0.014	MY	0.000
240	FZ	0.019	MY	0.000
241	FZ	0.014	MY	0.000
242	FZ	0.019	MY	0.000
243	FZ	0.019	MY	0.000
244	FZ	0.014	MY	0.000
245	FZ	0.019	MY	0.000
246	FZ	0.014	MY	0.000
247	FZ	0.019	MY	0.000
248	FZ	0.014	MY	0.000
249	FZ	0.019	MY	0.000
250	FZ	0.014	MY	0.000
251	FZ	0.019	MY	0.000
252	FZ	0.014	MY	0.000
253	FZ	0.019	MY	0.000
254	FZ	0.014	MY	0.000
255	FZ	0.019	MY	0.000
256	FZ	0.014	MY	0.000

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257	FZ	0.019	MY	0.000
258	FZ	0.014	MY	0.000
259	FZ	0.019	MY	0.000
260	FZ	0.014	MY	0.000
263	FZ	0.014	MY	0.000
266	FZ	0.019	MY	0.000
269	FZ	0.014	MY	0.000
272	FZ	0.019	MY	0.000
275	FZ	0.014	MY	0.000
278	FZ	0.019	MY	0.000
281	FZ	0.014	MY	0.000
284	FZ	0.019	MY	0.000
287	FZ	0.014	MY	0.000
290	FZ	0.019	MY	0.000
293	FZ	0.014	MY	0.000
296	FZ	0.019	MY	0.000
299	FZ	0.014	MY	0.000
302	FZ	0.019	MY	0.000
305	FZ	0.014	MY	0.000
308	FZ	0.019	MY	0.000
311	FZ	0.014	MY	0.000
314	FZ	0.019	MY	0.000
317	FZ	0.014	MY	0.000
320	FZ	0.019	MY	0.000
323	FZ	0.014	MY	0.000
326	FZ	0.019	MY	0.000

329	FZ	0.014	MY	0.000
332	FZ	0.019	MY	0.000
335	FZ	0.014	MY	0.000
338	FZ	0.019	MY	0.000
341	FZ	0.014	MY	0.000
344	FZ	0.019	MY	0.000
347	FZ	0.014	MY	0.000
350	FZ	0.019	MY	0.000
353	FZ	0.014	MY	0.000
356	FZ	0.019	MY	0.000
359	FZ	0.014	MY	0.000
362	FZ	0.019	MY	0.000
365	FZ	0.014	MY	0.000
368	FZ	0.019	MY	0.000

TOTAL = 1.342

0.000 AT LEVEL 9.000 METE

++ Adjusting Displacements.

LOAD COMBINATION NO. 100
(+1DS +1DO +0.5LL)

LOADING-	11.	13.	21.
FACTOR -	1.00	1.00	0.50

LOAD COMBINATION NO. 101
(+1DS +1DO +1LL +1PFZ +1PAX +1PAZ +1LC +1MLBP)

▲ STAAD SPACE

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LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 102
(+1DS +1DO +1LL +1PFZ -1PAX -1PAZ +1LC +1MLBP)

LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	1.00	-1.00	1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 103
(+1DS +1DO +1LL -1PFZ +1PAX +1PAZ +1LC +1MLBP)

LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	-1.00	1.00	-1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 104

(+1DS +1DO +1LL -1PFX -1PFZ -1PAX -1PAZ +1LC +1MLBP)

LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 111
(+1SLX +0.3SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	1.00	0.30	1.00	1.00	0.50	1.00	1.00

LOAD COMBINATION NO. 112
(+1SLX -0.3SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	1.00	-0.30	1.00	1.00	0.50	1.00	-1.00

LOAD COMBINATION NO. 113
(-1SLX +0.3SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-1.00	0.30	1.00	1.00	0.50	-1.00	1.00

LOAD COMBINATION NO. 114
(-1SLX -0.3SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-1.00	-0.30	1.00	1.00	0.50	-1.00	-1.00

LOAD COMBINATION NO. 121
(+0.3SLX +1SLZ +1DS +1DO +0.5LL +1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.30	1.00	1.00	1.00	0.50	1.00	1.00

LOAD COMBINATION NO. 122
(-0.3SLX +1SLZ +1DS +1DO +0.5LL -1PAX +1PAZ)

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LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.30	1.00	1.00	1.00	0.50	-1.00	1.00

LOAD COMBINATION NO. 123
(+0.3SLX -1SLZ +1DS +1DO +0.5LL +1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.30	-1.00	1.00	1.00	0.50	1.00	-1.00

LOAD COMBINATION NO. 124

(-0.3SLX -1SLZ +1DS +1DO +0.5LL -1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.30	-1.00	1.00	1.00	0.50	-1.00	-1.00

LOAD COMBINATION NO. 141
(+1DS +1DO +1LL +1PAX +1PAZ +1WX(+)P)

LOADING-	11.	13.	21.	33.	34.	51.
FACTOR -	1.00	1.00	1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 142
(+1DS +1DO +1LL +1PAX -1PAZ +1WX(+)P)

LOADING-	11.	13.	21.	33.	34.	51.
FACTOR -	1.00	1.00	1.00	1.00	-1.00	1.00

LOAD COMBINATION NO. 143
(+1DS +1DO +1LL +1PAX +1PAZ +1WZ(+)P)

LOADING-	11.	13.	21.	33.	34.	52.
FACTOR -	1.00	1.00	1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 144
(+1DS +1DO +1LL -1PAX +1PAZ +1WZ(+)P)

LOADING-	11.	13.	21.	33.	34.	52.
FACTOR -	1.00	1.00	1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 145
(+1DS +1DO +1LL -1PAX +1PAZ +1WX(-)P)

LOADING-	11.	13.	21.	33.	34.	53.
FACTOR -	1.00	1.00	1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 146
(+1DS +1DO +1LL -1PAX -1PAZ +1WX(-)P)

LOADING-	11.	13.	21.	33.	34.	53.
FACTOR -	1.00	1.00	1.00	-1.00	-1.00	1.00

LOAD COMBINATION NO. 147
(+1DS +1DO +1LL +1PAX -1PAZ +1WZ(-)P)

▲ STAAD SPACE

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LOADING-	11.	13.	21.	33.	34.	54.
FACTOR -	1.00	1.00	1.00	1.00	-1.00	1.00

LOAD COMBINATION NO. 148

(+1DS +1DO +1LL -1PAX -1PAZ +1WZ(-)P)

LOADING-	11.	13.	21.	33.	34.	54.
FACTOR -	1.00	1.00	1.00	-1.00	-1.00	1.00

LOAD COMBINATION NO. 151
(+1DS +1DO +1LL +1PAX +1PAZ +1WX(+)S)

LOADING-	11.	13.	21.	33.	34.	55.
FACTOR -	1.00	1.00	1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 152
(+1DS +1DO +1LL +1PAX -1PAZ +1WX(+)S)

LOADING-	11.	13.	21.	33.	34.	55.
FACTOR -	1.00	1.00	1.00	1.00	-1.00	1.00

LOAD COMBINATION NO. 153
(+1DS +1DO +1LL +1PAX +1PAZ +1WZ(+)S)

LOADING-	11.	13.	21.	33.	34.	56.
FACTOR -	1.00	1.00	1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 154
(+1DS +1DO +1LL -1PAX +1PAZ +1WZ(+)S)

LOADING-	11.	13.	21.	33.	34.	56.
FACTOR -	1.00	1.00	1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 155
(+1DS +1DO +1LL -1PAX +1PAZ +1WX(-)S)

LOADING-	11.	13.	21.	33.	34.	57.
FACTOR -	1.00	1.00	1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 156
(+1DS +1DO +1LL -1PAX -1PAZ +1WX(-)S)

LOADING-	11.	13.	21.	33.	34.	57.
FACTOR -	1.00	1.00	1.00	-1.00	-1.00	1.00

LOAD COMBINATION NO. 157
(+1DS +1DO +1LL +1PAX -1PAZ +1WZ(-)S)

LOADING-	11.	13.	21.	33.	34.	58.
FACTOR -	1.00	1.00	1.00	1.00	-1.00	1.00

LOAD COMBINATION NO. 158
(+1DS +1DO +1LL -1PAX -1PAZ +1WZ(-)S)

▲ STAAD SPACE

LOADING- 11. 13. 21. 33. 34. 58.
FACTOR - 1.00 1.00 1.00 -1.00 -1.00 1.00

LOAD COMBINATION NO. 161
(+0.9DS +0.9DE +1WX(+)P)

LOADING- 11. 12. 51.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 162
(+0.9DS +0.9DE +1WZ(+)P)

LOADING- 11. 12. 52.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 163
(+0.9DS +0.9DE +1WX(-)P)

LOADING- 11. 12. 53.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 164
(+0.9DS +0.9DE +1WZ(-)P)

LOADING- 11. 12. 54.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 171
(+0.9DS +0.9DE +1WX(+)S)

LOADING- 11. 12. 55.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 172
(+0.9DS +0.9DE +1WZ(+)S)

LOADING- 11. 12. 56.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 173
(+0.9DS +0.9DE +1WX(-)S)

LOADING- 11. 12. 57.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 174
(+0.9DS +0.9DE +1WZ(-)S)

LOADING- 11. 12. 58.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 181
(+1DS +1DT +0.75LL +0.5WX(+)P)

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LOADING- 11. 14. 21. 51.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 182
(+1DS +1DT +0.75LL +0.5WZ(+)P)

LOADING- 11. 14. 21. 52.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 183
(+1DS +1DT +0.75LL +0.5WX(-)P)

LOADING- 11. 14. 21. 53.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 184
(+1DS +1DT +0.75LL +0.5WZ(-)P)

LOADING- 11. 14. 21. 54.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 191
(+1DS +1DT +0.75LL +0.5WX(+)S)

LOADING- 11. 14. 21. 55.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 192
(+1DS +1DT +0.75LL +0.5WZ(+)S)

LOADING- 11. 14. 21. 56.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 193
(+1DS +1DT +0.75LL +0.5WX(-)S)

LOADING- 11. 14. 21. 57.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 194
(+1DS +1DT +0.75LL +0.5WZ(-)S)

LOADING- 11. 14. 21. 58.
FACTOR - 1.00 1.00 0.75 0.50

LOAD COMBINATION NO. 241
(+1DS +1DO +1LL +1MLBP +0.5WX(+)P)

LOADING- 11. 13. 21. 42. 51.
FACTOR - 1.00 1.00 1.00 1.00 0.50

LOAD COMBINATION NO. 242
(+1DS +1DO +1LL +1MLBP +0.5WZ(+)P)

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LOADING- 11. 13. 21. 42. 52.
FACTOR - 1.00 1.00 1.00 1.00 0.50

LOAD COMBINATION NO. 243
(+1DS +1DO +1LL +1MLBP +0.5WX(-)P)

LOADING- 11. 13. 21. 42. 53.
FACTOR - 1.00 1.00 1.00 1.00 0.50

LOAD COMBINATION NO. 244
(+1DS +1DO +1LL +1MLBP +0.5WZ(-)P)

LOADING- 11. 13. 21. 42. 54.
FACTOR - 1.00 1.00 1.00 1.00 0.50

LOAD COMBINATION NO. 251
(+1DS +1DO +1LL +1MLBP +0.5WX(+)S)

LOADING- 11. 13. 21. 42. 55.
FACTOR - 1.00 1.00 1.00 1.00 0.50

LOAD COMBINATION NO. 252
(+1DS +1DO +1LL +1MLBP +0.5WZ(+)S)

LOADING- 11. 13. 21. 42. 56.
FACTOR - 1.00 1.00 1.00 1.00 0.50

LOAD COMBINATION NO. 253
(+1DS +1DO +1LL +1MLBP +0.5WX(-)S)

LOADING- 11. 13. 21. 42. 57.
FACTOR - 1.00 1.00 1.00 1.00 0.50

LOAD COMBINATION NO. 254
(+1DS +1DO +1LL +1MLBP +0.5WZ(-)S)

LOADING-	11.	13.	21.	42.	58.
FACTOR -	1.00	1.00	1.00	1.00	0.50

LOAD COMBINATION NO. 301
(+1DS +1DO +1LL +1PFX +1PFZ +1PAX +1PAZ +1LC +1MLBP)

LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 302
(+1DS +1DO +1LL +1PFX -1PFZ +1PAX -1PAZ +1LC +1MLBP)

LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	1.00	-1.00	1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 303
(+1DS +1DO +1LL -1PFX +1PFZ -1PAX +1PAZ +1LC +1MLBP)

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LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	-1.00	1.00	-1.00	1.00	1.00	1.00

LOAD COMBINATION NO. 304
(+1DS +1DO +1LL -1PFX -1PFZ -1PAX -1PAZ +1LC +1MLBP)

LOADING-	11.	13.	21.	31.	32.	33.	34.	41.	42.
FACTOR -	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00

LOAD COMBINATION NO. 311
(+0.8SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.80	0.24	1.00	1.00	0.40	1.00	1.00

LOAD COMBINATION NO. 312
(+0.8SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.80	-0.24	1.00	1.00	0.40	1.00	-1.00

LOAD COMBINATION NO. 313
(-0.8SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.80	0.24	1.00	1.00	0.40	-1.00	1.00

LOAD COMBINATION NO. 314
(-0.8SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.80	-0.24	1.00	1.00	0.40	-1.00	-1.00

LOAD COMBINATION NO. 321
(+0.24SLX +0.8SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.24	0.80	1.00	1.00	0.40	1.00	1.00

LOAD COMBINATION NO. 322
(-0.24SLX +0.8SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.24	0.80	1.00	1.00	0.40	-1.00	1.00

LOAD COMBINATION NO. 323
(+0.24SLX -0.8SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.24	-0.80	1.00	1.00	0.40	1.00	-1.00

LOAD COMBINATION NO. 324
(-0.24SLX -0.8SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)

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LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.24	-0.80	1.00	1.00	0.40	-1.00	-1.00

LOAD COMBINATION NO. 331
(+0.24SLX +0.24SLZ +1DS +1DO +0.4LL +1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.24	0.24	1.00	1.00	0.40	1.00	1.00

LOAD COMBINATION NO. 332
(+0.24SLX -0.24SLZ +1DS +1DO +0.4LL +1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.24	-0.24	1.00	1.00	0.40	1.00	-1.00

LOAD COMBINATION NO. 333
(-0.24SLX +0.24SLZ +1DS +1DO +0.4LL -1PAX +1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.24	0.24	1.00	1.00	0.40	-1.00	1.00

LOAD COMBINATION NO. 334
(-0.24SLX -0.24SLZ +1DS +1DO +0.4LL -1PAX -1PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.24	-0.24	1.00	1.00	0.40	-1.00	-1.00

LOAD COMBINATION NO. 341
(+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WX(+)P)

LOADING-	11.	13.	21.	33.	34.	51.
FACTOR -	1.00	1.00	0.80	1.00	1.00	0.80

LOAD COMBINATION NO. 342
(+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WX(+)P)

LOADING-	11.	13.	21.	33.	34.	51.
FACTOR -	1.00	1.00	0.80	1.00	-1.00	0.80

LOAD COMBINATION NO. 343
(+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WZ(+)P)

LOADING-	11.	13.	21.	33.	34.	52.
FACTOR -	1.00	1.00	0.80	1.00	1.00	0.80

LOAD COMBINATION NO. 344
(+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WZ(+)P)

LOADING-	11.	13.	21.	33.	34.	52.
FACTOR -	1.00	1.00	0.80	-1.00	1.00	0.80

LOAD COMBINATION NO. 345
(+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WX(-)P)

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LOADING-	11.	13.	21.	33.	34.	53.
FACTOR -	1.00	1.00	0.80	-1.00	1.00	0.80

LOAD COMBINATION NO. 346
(+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WX(-)P)

LOADING-	11.	13.	21.	33.	34.	53.
FACTOR -	1.00	1.00	0.80	-1.00	-1.00	0.80

LOAD COMBINATION NO. 347
(+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WZ(-)P)

LOADING-	11.	13.	21.	33.	34.	54.
FACTOR -	1.00	1.00	0.80	1.00	-1.00	0.80

LOAD COMBINATION NO. 348
(+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WZ(-)P)

LOADING-	11.	13.	21.	33.	34.	54.
FACTOR -	1.00	1.00	0.80	-1.00	-1.00	0.80

LOAD COMBINATION NO. 351
(+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WX(+)S)

LOADING-	11.	13.	21.	33.	34.	55.
FACTOR -	1.00	1.00	0.80	1.00	1.00	0.80

LOAD COMBINATION NO. 352
(+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WX(+)S)

LOADING-	11.	13.	21.	33.	34.	55.
FACTOR -	1.00	1.00	0.80	1.00	-1.00	0.80

LOAD COMBINATION NO. 353
(+1DS +1DO +0.8LL +1PAX +1PAZ +0.8WZ(+)S)

LOADING-	11.	13.	21.	33.	34.	56.
FACTOR -	1.00	1.00	0.80	1.00	1.00	0.80

LOAD COMBINATION NO. 354
(+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WZ(+)S)

LOADING-	11.	13.	21.	33.	34.	56.
FACTOR -	1.00	1.00	0.80	-1.00	1.00	0.80

LOAD COMBINATION NO. 355
(+1DS +1DO +0.8LL -1PAX +1PAZ +0.8WX(-)S)

LOADING-	11.	13.	21.	33.	34.	57.
FACTOR -	1.00	1.00	0.80	-1.00	1.00	0.80

LOAD COMBINATION NO. 356
(+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WX(-)S)

▲ STAAD SPACE

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LOADING-	11.	13.	21.	33.	34.	57.
FACTOR -	1.00	1.00	0.80	-1.00	-1.00	0.80

LOAD COMBINATION NO. 357
(+1DS +1DO +0.8LL +1PAX -1PAZ +0.8WZ(-)S)

LOADING-	11.	13.	21.	33.	34.	58.
FACTOR -	1.00	1.00	0.80	1.00	-1.00	0.80

LOAD COMBINATION NO. 358
(+1DS +1DO +0.8LL -1PAX -1PAZ +0.8WZ(-)S)

LOADING-	11.	13.	21.	33.	34.	58.
FACTOR -	1.00	1.00	0.80	-1.00	-1.00	0.80

LOAD COMBINATION NO. 361
(+0.9DS +0.9DE +1WX(+)P)

LOADING-	11.	12.	51.
FACTOR -	0.90	0.90	1.00

LOAD COMBINATION NO. 362
(+0.9DS +0.9DE +1WZ(+)P)

LOADING-	11.	12.	52.
FACTOR -	0.90	0.90	1.00

LOAD COMBINATION NO. 363
(+0.9DS +0.9DE +1WX(-)P)

LOADING-	11.	12.	53.
FACTOR -	0.90	0.90	1.00

LOAD COMBINATION NO. 364
(+0.9DS +0.9DE +1WZ(-)P)

LOADING-	11.	12.	54.
FACTOR -	0.90	0.90	1.00

LOAD COMBINATION NO. 371
(+0.9DS +0.9DE +1WX(+)S)

LOADING-	11.	12.	55.
FACTOR -	0.90	0.90	1.00

LOAD COMBINATION NO. 372
(+0.9DS +0.9DE +1WZ(+)S)

LOADING-	11.	12.	56.
FACTOR -	0.90	0.90	1.00

LOAD COMBINATION NO. 373
(+0.9DS +0.9DE +1WX(-)S)

↑ STAAD SPACE

LOADING-	11.	12.	57.
FACTOR -	0.90	0.90	1.00

LOAD COMBINATION NO. 374
(+0.9DS +0.9DE +1WZ(-)S)

LOADING- 11. 12. 58.
FACTOR - 0.90 0.90 1.00

LOAD COMBINATION NO. 381
(+1DS +1DT +0.6LL +0.4WX(+)P)

LOADING- 11. 14. 21. 51.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 382
(+1DS +1DT +0.6LL +0.4WZ(+)P)

LOADING- 11. 14. 21. 52.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 383
(+1DS +1DT +0.6LL +0.4WX(-)P)

LOADING- 11. 14. 21. 53.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 384
(+1DS +1DT +0.6LL +0.4WZ(-)P)

LOADING- 11. 14. 21. 54.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 391
(+1DS +1DT +0.6LL +0.4WX(+)S)

LOADING- 11. 14. 21. 55.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 392
(+1DS +1DT +0.6LL +0.4WZ(+)S)

LOADING- 11. 14. 21. 56.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 393
(+1DS +1DT +0.6LL +0.4WX(-)S)

LOADING- 11. 14. 21. 57.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 394
(+1DS +1DT +0.6LL +0.4WZ(-)S)

▲ STAAD SPACE

LOADING- 11. 14. 21. 58.
FACTOR - 1.00 1.00 0.60 0.40

LOAD COMBINATION NO. 441
(+1DS +1DO +0.8LL +1MLBP +0.4WX(+)P)

LOADING- 11. 13. 21. 42. 51.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 442
(+1DS +1DO +0.8LL +1MLBP +0.4WZ(+)P)

LOADING- 11. 13. 21. 42. 52.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 443
(+1DS +1DO +0.8LL +1MLBP +0.4WX(-)P)

LOADING- 11. 13. 21. 42. 53.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 444
(+1DS +1DO +0.8LL +1MLBP +0.4WZ(-)P)

LOADING- 11. 13. 21. 42. 54.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 451
(+1DS +1DO +0.8LL +1MLBP +0.4WX(+)S)

LOADING- 11. 13. 21. 42. 55.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 452
(+1DS +1DO +0.8LL +1MLBP +0.4WZ(+)S)

LOADING- 11. 13. 21. 42. 56.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 453
(+1DS +1DO +0.8LL +1MLBP +0.4WX(-)S)

LOADING- 11. 13. 21. 42. 57.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 454
(+1DS +1DO +0.8LL +1MLBP +0.4WZ(-)S)

LOADING- 11. 13. 21. 42. 58.
FACTOR - 1.00 1.00 0.80 1.00 0.40

LOAD COMBINATION NO. 455

1.0(DL+LLCLA)

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LOADING- 11. 21. 61.
FACTOR - 1.00 1.00 1.00

LOAD COMBINATION NO. 501

(+1.5DS +1.5DO +1.5LL+1.5PFX+1.5PFZ+1.5PAX +1.5PAZ+1.5LC +1M

LOADING- 11. 13. 21. 31. 32. 33. 34. 41. 42.
FACTOR - 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.00

LOAD COMBINATION NO. 502

(+1.5DS +1.5DO+1.5LL+1.5PFX-1.5PFZ +1.5PAX -1.5PAZ+1.5LC +1

LOADING- 11. 13. 21. 31. 32. 33. 34. 41. 42.
FACTOR - 1.50 1.50 1.50 1.50 -1.50 1.50 -1.50 1.50 1.00

LOAD COMBINATION NO. 503

(+1.5DS +1.5DO+1.5LL-1.5PFX+1.5PFZ -1.5PAX +1.5PAZ+1.5LC +1

LOADING- 11. 13. 21. 31. 32. 33. 34. 41. 42.
FACTOR - 1.50 1.50 1.50 -1.50 1.50 -1.50 1.50 1.50 1.00

LOAD COMBINATION NO. 504

(+1.5DS+1.5DO +1.5LL-1.5PFX-1.5PFZ -1.5PAX -1.5PAZ+1.5LC +1

LOADING- 11. 13. 21. 31. 32. 33. 34. 41. 42.
FACTOR - 1.50 1.50 1.50 -1.50 -1.50 -1.50 -1.50 1.50 1.00

LOAD COMBINATION NO. 511

(+1.2SLX +0.36SLZ +1.2DS +1.2DO +0.6LL +1.2PAX +1.2PAZ)

LOADING- 1. 2. 11. 13. 21. 33. 34.
FACTOR - 1.20 0.36 1.20 1.20 0.60 1.20 1.20

LOAD COMBINATION NO. 512

(+1.2SLX -0.36SLZ +1.2DS +1.2DO +0.6LL +1.2PAX -1.2PAZ)

LOADING- 1. 2. 11. 13. 21. 33. 34.
FACTOR - 1.20 -0.36 1.20 1.20 0.60 1.20 -1.20

LOAD COMBINATION NO. 513

(-1.2SLX +0.36SLZ +1.2DS +1.2DO +0.6LL -1.2PAX +1.2PAZ)

LOADING- 1. 2. 11. 13. 21. 33. 34.
FACTOR - -1.20 0.36 1.20 1.20 0.60 -1.20 1.20

LOAD COMBINATION NO. 514

(-1.2SLX -0.36SLZ +1.2DS +1.2DO +0.6LL -1.2PAX -1.2PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-1.20	-0.36	1.20	1.20	0.60	-1.20	-1.20

LOAD COMBINATION NO. 521

(+0.36SLX +1.2SLZ +1.2DS +1.2DO +0.6LL +1.2PAX +1.2PAZ)

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LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.36	1.20	1.20	1.20	0.60	1.20	1.20

LOAD COMBINATION NO. 522

(-0.36SLX +1.2SLZ +1.2DS +1.2DO +0.6LL -1.2PAX +1.2PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.36	1.20	1.20	1.20	0.60	-1.20	1.20

LOAD COMBINATION NO. 523

(+0.36SLX -1.2SLZ +1.2DS +1.2DO +0.6LL +1.2PAX -1.2PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	0.36	-1.20	1.20	1.20	0.60	1.20	-1.20

LOAD COMBINATION NO. 524

(-0.36SLX -1.2SLZ +1.2DS +1.2DO +0.6LL -1.2PAX -1.2PAZ)

LOADING-	1.	2.	11.	13.	21.	33.	34.
FACTOR -	-0.36	-1.20	1.20	1.20	0.60	-1.20	-1.20

LOAD COMBINATION NO. 541

(+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WX(+)P)

LOADING-	11.	13.	21.	33.	34.	51.
FACTOR -	1.20	1.20	1.20	1.20	1.20	1.20

LOAD COMBINATION NO. 542

(+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WX(+)P)

LOADING-	11.	13.	21.	33.	34.	51.
FACTOR -	1.20	1.20	1.20	1.20	-1.20	1.20

LOAD COMBINATION NO. 543

(+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WZ(+)P)

LOADING-	11.	13.	21.	33.	34.	52.
FACTOR -	1.20	1.20	1.20	1.20	1.20	1.20

LOAD COMBINATION NO. 544

(+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WZ(+)P)

LOADING-	11.	13.	21.	33.	34.	52.
FACTOR -	1.20	1.20	1.20	-1.20	1.20	1.20

LOAD COMBINATION NO. 545

(+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WX(-)P)

LOADING-	11.	13.	21.	33.	34.	53.
FACTOR -	1.20	1.20	1.20	-1.20	1.20	1.20

LOAD COMBINATION NO. 546

(+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WX(-)P)

↑ STAAD SPACE

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LOADING-	11.	13.	21.	33.	34.	53.
FACTOR -	1.20	1.20	1.20	-1.20	-1.20	1.20

LOAD COMBINATION NO. 547

(+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WZ(-)P)

LOADING-	11.	13.	21.	33.	34.	54.
FACTOR -	1.20	1.20	1.20	1.20	-1.20	1.20

LOAD COMBINATION NO. 548

(+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WZ(-)P)

LOADING-	11.	13.	21.	33.	34.	54.
FACTOR -	1.20	1.20	1.20	-1.20	-1.20	1.20

LOAD COMBINATION NO. 551

(+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WX(+)S)

LOADING-	11.	13.	21.	33.	34.	55.
FACTOR -	1.20	1.20	1.20	1.20	1.20	1.20

LOAD COMBINATION NO. 552

(+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WX(+)S)

LOADING-	11.	13.	21.	33.	34.	55.
FACTOR -	1.20	1.20	1.20	1.20	-1.20	1.20

LOAD COMBINATION NO. 553

(+1.2DS +1.2DO +1.2LL +1.2PAX +1.2PAZ +1.2WZ(+)S)

LOADING-	11.	13.	21.	33.	34.	56.
FACTOR -	1.20	1.20	1.20	1.20	1.20	1.20

LOAD COMBINATION NO. 554

(+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WZ(+)S)

LOADING-	11.	13.	21.	33.	34.	56.
FACTOR -	1.20	1.20	1.20	-1.20	1.20	1.20

LOAD COMBINATION NO. 555

(+1.2DS +1.2DO +1.2LL -1.2PAX +1.2PAZ +1.2WX(-)S)

LOADING-	11.	13.	21.	33.	34.	57.
FACTOR -	1.20	1.20	1.20	-1.20	1.20	1.20

LOAD COMBINATION NO. 556

(+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WX(-)S)

LOADING-	11.	13.	21.	33.	34.	57.
FACTOR -	1.20	1.20	1.20	-1.20	-1.20	1.20

LOAD COMBINATION NO. 557

(+1.2DS +1.2DO +1.2LL +1.2PAX -1.2PAZ +1.2WZ(-)S)

▲ STAAD SPACE

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LOADING-	11.	13.	21.	33.	34.	58.
FACTOR -	1.20	1.20	1.20	1.20	-1.20	1.20

LOAD COMBINATION NO. 558

(+1.2DS +1.2DO +1.2LL -1.2PAX -1.2PAZ +1.2WZ(-)S)

LOADING-	11.	13.	21.	33.	34.	58.
FACTOR -	1.20	1.20	1.20	-1.20	-1.20	1.20

LOAD COMBINATION NO. 561

(+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WX(+)P)

LOADING-	11.	13.	33.	34.	51.
FACTOR -	1.50	1.50	1.50	1.50	1.50

LOAD COMBINATION NO. 562

(+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WX(+)P)

LOADING-	11.	13.	33.	34.	51.
FACTOR -	1.50	1.50	1.50	-1.50	1.50

LOAD COMBINATION NO. 563

(+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WZ(+)P)

LOADING-	11.	13.	33.	34.	52.
FACTOR -	1.50	1.50	1.50	1.50	1.50

LOAD COMBINATION NO. 564
(+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WZ(+)P)

LOADING-	11.	13.	33.	34.	52.
FACTOR -	1.50	1.50	-1.50	1.50	1.50

LOAD COMBINATION NO. 565
(+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WX(-)P)

LOADING-	11.	13.	33.	34.	53.
FACTOR -	1.50	1.50	-1.50	1.50	1.50

LOAD COMBINATION NO. 566
(+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WX(-)P)

LOADING-	11.	13.	33.	34.	53.
FACTOR -	1.50	1.50	-1.50	-1.50	1.50

LOAD COMBINATION NO. 567
(+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WZ(-)P)

LOADING-	11.	13.	33.	34.	54.
FACTOR -	1.50	1.50	1.50	-1.50	1.50

LOAD COMBINATION NO. 568
(+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WZ(-)P)

▲ STAAD SPACE

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LOADING-	11.	13.	33.	34.	54.
FACTOR -	1.50	1.50	-1.50	-1.50	1.50

LOAD COMBINATION NO. 571
(+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WX(+)S)

LOADING-	11.	13.	33.	34.	55.
FACTOR -	1.50	1.50	1.50	1.50	1.50

LOAD COMBINATION NO. 572
(+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WX(+)S)

LOADING-	11.	13.	33.	34.	55.
FACTOR -	1.50	1.50	1.50	-1.50	1.50

LOAD COMBINATION NO. 573
(+1.5DS +1.5DO +1.5PAX +1.5PAZ +1.5WZ(+)S)

LOADING-	11.	13.	33.	34.	56.
FACTOR -	1.50	1.50	1.50	1.50	1.50

LOAD COMBINATION NO. 574

(+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WZ(+)S)

LOADING-	11.	13.	33.	34.	56.
FACTOR -	1.50	1.50	-1.50	1.50	1.50

LOAD COMBINATION NO. 575

(+1.5DS +1.5DO -1.5PAX +1.5PAZ +1.5WX(-)S)

LOADING-	11.	13.	33.	34.	57.
FACTOR -	1.50	1.50	-1.50	1.50	1.50

LOAD COMBINATION NO. 576

(+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WX(-)S)

LOADING-	11.	13.	33.	34.	57.
FACTOR -	1.50	1.50	-1.50	-1.50	1.50

LOAD COMBINATION NO. 577

(+1.5DS +1.5DO +1.5PAX -1.5PAZ +1.5WZ(-)S)

LOADING-	11.	13.	33.	34.	58.
FACTOR -	1.50	1.50	1.50	-1.50	1.50

LOAD COMBINATION NO. 578

(+1.5DS +1.5DO -1.5PAX -1.5PAZ +1.5WZ(-)S)

LOADING-	11.	13.	33.	34.	58.
FACTOR -	1.50	1.50	-1.50	-1.50	1.50

LOAD COMBINATION NO. 581

(+1.2DS +1.2DT +0.9LL +0.9WX(+)P)

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LOADING-	11.	14.	21.	51.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 582

(+1.2DS +1.2DT +0.9LL +0.9WZ(+)P)

LOADING-	11.	14.	21.	52.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 583

(+1.2DS +1.2DT +0.9LL +0.9WZ(-)P)

LOADING-	11.	14.	21.	53.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 584
(+1.2DS +1.2DT +0.9LL +0.9WZ(-)P)

LOADING-	11.	14.	21.	54.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 591
(+1.2DS +1.2DT +0.9LL +0.9WX(+)S)

LOADING-	11.	14.	21.	55.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 592
(+1.2DS +1.2DT +0.9LL +0.9WZ(+)S)

LOADING-	11.	14.	21.	56.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 593
(+1.2DS +1.2DT +0.9LL +0.9WX(-)S)

LOADING-	11.	14.	21.	57.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 594
(+1.2DS +1.2DT +0.9LL +0.9WZ(-)S)

LOADING-	11.	14.	21.	58.
FACTOR -	1.20	1.20	0.90	0.90

LOAD COMBINATION NO. 641
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(+)P)

LOADING-	11.	13.	21.	42.	51.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 642
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(+)P)

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LOADING-	11.	13.	21.	42.	52.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 643
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(-)P)

LOADING-	11.	13.	21.	42.	53.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 644
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(-)P)

LOADING-	11.	13.	21.	42.	54.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 651
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(+)S)

LOADING-	11.	13.	21.	42.	55.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 652
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(+)S)

LOADING-	11.	13.	21.	42.	56.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 653
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WX(-)S)

LOADING-	11.	13.	21.	42.	57.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 654
(+1.2DS +1.2DO +1.2LL +1.2MLBP +0.6WZ(-)S)

LOADING-	11.	13.	21.	42.	58.
FACTOR -	1.20	1.20	1.20	1.20	0.60

LOAD COMBINATION NO. 661
(+0.9DS +0.9DE +1.5WX(+)P)

LOADING-	11.	12.	51.
FACTOR -	0.90	0.90	1.50

LOAD COMBINATION NO. 662
(+0.9DS +0.9DE +1.5WZ(+)P)

LOADING-	11.	12.	52.
FACTOR -	0.90	0.90	1.50

LOAD COMBINATION NO. 663
(+0.9DS +0.9DE +1.5WX(-)P)

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LOADING-	11.	12.	53.
FACTOR -	0.90	0.90	1.50

LOAD COMBINATION NO. 664
(+0.9DS +0.9DE +1.5WZ(-)P)

LOADING- 11. 12. 54.
FACTOR - 0.90 0.90 1.50

LOAD COMBINATION NO. 671
(+0.9DS +0.9DE +1.5WX(+)S)

LOADING- 11. 12. 55.
FACTOR - 0.90 0.90 1.50

LOAD COMBINATION NO. 672
(+0.9DS +0.9DE +1.5WZ(+)S)

LOADING- 11. 12. 56.
FACTOR - 0.90 0.90 1.50

LOAD COMBINATION NO. 673
(+0.9DS +0.9DE +1.5WZ(-)S)

LOADING- 11. 12. 57.
FACTOR - 0.90 0.90 1.50

LOAD COMBINATION NO. 674
(+0.9DS +0.9DE +1.5WZ(-)S)

LOADING- 11. 12. 58.
FACTOR - 0.90 0.90 1.50

LOAD COMBINATION NO. 675
1.5(DL+LL+CLA)

LOADING- 11. 21. 61.
FACTOR - 1.50 1.50 1.50

***** END OF DATA FROM INTERNAL STORAGE *****

783. DEFINE ENVELOPE

784. 100 TO 104 111 TO 114 121 TO 124 141 TO 148 151 TO 158 161 TO 164 171 TO 174

785. 181 TO 184 191 TO 194 241 TO 244 251 TO 254 301 TO 304 311 TO 314 -

786. 321 TO 324 331 TO 334 341 TO 348 351 TO 358 361 TO 364 371 TO 374 -

787. 381 TO 384 391 TO 394 441 TO 444 451 TO 453 -

788. 455 ENVELOPE 1 TYPE SERVICEABILITY

789. 501 TO 504 511 TO 514 521 TO 524 541 TO 548 551 TO 558 561 TO 568 571 TO 578

790. 581 TO 584 591 TO 594 641 TO 644 651 TO 654 661 TO 664 671 TO 674 -
791. 675 ENVELOPE 2 TYPE STRENGTH
792. END DEFINE ENVELOPE
793. LOAD LIST ENV 1 2
794. PARAMETER 1
795. CODE IS800 LSD

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796. FYLD 250000 ALL
797. FU 410000 ALL
798. MAIN 180 MEMB 448 TO 455 457 459 461 463 465 467 469 471 481 TO 488 490 492
799. 494 496 498 500 502 504 565 566 589 590 593 594 597 598 652 653 659 660 666
800. 667 673 674 680 681 687 688 694 695 701 702 708 709 715 716 722 723 729 730
801. 736 737 743 744 750 751 757 758 764 765 771 772 778 779 785 786 792 793 799
802. 800 806 807 813 814 820 821 827 828 834 835 841 842 848 849 855 856 862 863
803. 869 870 876 877 883 884 890 891 897 898
804. MAIN 250 MEMB 460 462 464 466 468 470 472 TO 480 493 495 497 499 501 503 505
805. 506 TO 513 528 TO 543 564 567 588 591 592 595 596 599 TO 651 654 TO 658 661
806. 662 TO 665 668 TO 672 675 TO 679 682 TO 686 689 TO 693 696 TO 700 703 TO 707
807. 710 TO 714 717 TO 721 724 TO 728 731 TO 735 738 TO 742 745 TO 749 -
808. 752 TO 756 759 TO 763 766 TO 770 773 TO 777 780 TO 784 787 TO 791 -
809. 794 TO 798 801 TO 805 808 TO 812 815 TO 819 822 TO 826 829 TO 833 -
810. 836 TO 840 843 TO 847 850 TO 854 857 TO 861 864 TO 868 871 TO 875 -
811. 878 TO 882 885 TO 889 892 TO 896 899 TO 938 1023 TO 1061
812. LY 1 MEMB 448 TO 455 457 459 461 463 465 467 469 471 481 TO 488 490 492 494
813. 496 498 500 502 504
814. LZ 8 MEMB 448 TO 455 457 459 461 463 465 467 469 471 481 TO 488 490 492 494
815. 496 498 500 502 504
816. CHECK CODE ALL

STEEL DESIGN

Member Number: 448

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

***WARNING: THE VALUE OF MOMENT AMPLIFICATION FACTORS KY OR KZ IS GREATER THAN 1.4 FOR MEMBER # 449 FOR LOADCASE- 561. SECOND-ORDER ELASTIC ANALYSIS MUST BE PERFORMED AS PER SECTION 4.4.2 of IS800-2007. ALSO, ENSURE THAT THE TYPE OF COMBINATION USED IS REPEAT LOAD OR REFERENCE LOAD INSTEAD OF THE LOAD COMBINATION SYNTAX EXCEPT FOR RESPONSE SPECTRUM LOAD CASES.

Member Number: 449
Member Section: ST ISMC200 (INDIAN SECTIONS)
Status: PASS Ratio: 0.638 Critical Load Case: 561 Location: 0.00
Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 450
Member Section: ST ISMC200 (INDIAN SECTIONS)
Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 451

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 452

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 453

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 454

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 455

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 457

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 459

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 460

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 461

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 462

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 463

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 464

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 465

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 466

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 467

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 468

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 469

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 470

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 471

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 472

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.171 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 473

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 474

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 475

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 476

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 477

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 478

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 479

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 480

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

| Member Number: 481 |

| Member Section: ST ISMC200 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.564 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

***WARNING: THE VALUE OF MOMENT AMPLIFICATION FACTORS KY OR KZ IS GREATER THAN
1.4
FOR MEMBER # 482 FOR LOADCASE- 561. SECOND-ORDER ELASTIC ANALYSIS MUST BE
PERFORMED
AS PER SECTION 4.4.2 of IS800-2007. ALSO, ENSURE THAT THE TYPE OF COMBINATION
USED IS
REPEAT LOAD OR REFERENCE LOAD INSTEAD OF THE LOAD COMBINATION SYNTAX EXCEPT
FOR
RESPONSE SPECTRUM LOAD CASES.

| Member Number: 482 |

| Member Section: ST ISMC200 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.646 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

| Member Number: 483 |

| Member Section: ST ISMC200 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

1. The first section of the report is a general statement of the purpose and scope of the study.

2. The second section is a review of the literature on the subject of the study.

3. The third section is a description of the methods used in the study.

4. The fourth section is a presentation of the results of the study.

5. The fifth section is a discussion of the results and their implications.

6. The sixth section is a conclusion and a statement of the author's recommendations.

7. The seventh section is a list of references.

8. The eighth section is a list of appendices.

9. The ninth section is a list of figures and tables.

10. The tenth section is a list of footnotes.

11. The eleventh section is a list of abbreviations.

12. The twelfth section is a list of symbols.

13. The thirteenth section is a list of definitions.

14. The fourteenth section is a list of acknowledgments.

15. The fifteenth section is a list of biographical notes.

16. The sixteenth section is a list of distribution lists.

17. The seventeenth section is a list of correspondence.

SECTION 10.0 - CONSTRUCTION SCHEDULE

Activity	Start Date	End Date	Duration
Site Preparation	01/01/2020	03/31/2020	90 Days
Foundation Work	04/01/2020	06/30/2020	90 Days
Structural Steel Erection	07/01/2020	09/30/2020	90 Days
Roofing	10/01/2020	11/30/2020	60 Days
Interior Partitioning	12/01/2020	02/28/2021	90 Days
MEP Installation	03/01/2021	05/31/2021	90 Days
Final Inspection	06/01/2021	06/30/2021	30 Days

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 484

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 485

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 486

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 487

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 488

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 490

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 492

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 493

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 494

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 495

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 496

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 497

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

↑ STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 498

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 499

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 500

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 501

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

▲ STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 502

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 503

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 504

Member Section: ST ISMC200 (INDIAN SECTIONS)

Status: PASS Ratio: 0.555 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 505

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 506

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 507

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 508

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 509

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 510

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 511

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 512

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 513

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)
Status: PASS Ratio: 0.387 Critical Load Case: 513 Location: 0.00
Critical Condition: Slenderness (Compression)

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 514

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 515

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 516

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 517

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

↑ STAAD SPACE

-- PAGE NO. 108

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 518

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 519

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 520

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 521

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

-- PAGE NO. 109

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 522

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 523

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 524

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 525

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

-- PAGE NO. 110

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 526

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 527

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 528

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 529

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

-- PAGE NO. 111

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 530

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 531

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 532

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 533

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 534

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 535

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 536

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 537

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

-- PAGE NO. 113

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 538

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 539

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 540

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 541

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

-- PAGE NO. 114

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 542

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 543

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 564

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.480 Critical Load Case: 561 Location: 1.00

Critical Condition: Sec. 9.3.1.3

Member Number: 565

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.433 Critical Load Case: 565 Location: 1.00

Critical Condition: Sec. 9.3.2.2

↑ STAAD SPACE

-- PAGE NO. 115

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 566

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.436 Critical Load Case: 561 Location: 1.00

Critical Condition: Sec. 9.3.2.2

Member Number: 567

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.301 Critical Load Case: 561 Location: 1.00

| Critical Condition: Sec. 9.3.1.3

| Member Number: 588 |

| Member Section: ST ISMC75 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.482 Critical Load Case: 565 Location: 0.00

| Critical Condition: Sec. 9.3.1.3

| Member Number: 589 |

| Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.437 Critical Load Case: 565 Location: 1.00

| Critical Condition: Sec. 9.3.2.2

^ STAAD SPACE

-- PAGE NO. 116

STAAD.PRO CODE CHECKING - 15-800-2007-LSD (V2.2)

| Member Number: 590 |

| Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.432 Critical Load Case: 561 Location: 1.00

| Critical Condition: Sec. 9.3.2.2

Member Number: 591

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.301 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.1.3

Member Number: 592

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 593

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

↑ STAAD SPACE

-- PAGE NO. 117

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 594

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 595

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 596

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 597

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 598

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 599

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 600

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.273 Critical Load Case: 561 Location: 1.00

Critical Condition: Sec. 9.3.2.2

Member Number: 601

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.278 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

STAAD SPACE

-- PAGE NO. 119

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 602

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.247 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.1.3

Member Number: 603

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.243 Critical Load Case: 565 Location: 1.00

Critical Condition: Sec. 9.3.1.3

Member Number: 604

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.286 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 605

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.173 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.1.3

↑ STAAD SPACE

-- PAGE NO. 120

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 606

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.165 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.1.3

Member Number: 607

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.338 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 608

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.172 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.1.3

Member Number: 609

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.273 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 610

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.170 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.1.3

Member Number: 611

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 612

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 613

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

↑ STAAD SPACE

-- PAGE NO. 122

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 614

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 615

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 616

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 617

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 618

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.242 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 619

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.249 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 620

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.269 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 621

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.225 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 622

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.267 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 623

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.215 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 624

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.252 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 625

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 626

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.206 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 627

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 628

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 629

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 630

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 631

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 632

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 633

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

↑ STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 634

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 635

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.207 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 636

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.214 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 637

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.276 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 638

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.228 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 639

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.259 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 640

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.220 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 641

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.261 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 642

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.198 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 643

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.231 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 644

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 645

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 646

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 647

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 648

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.235 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 649

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.242 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

|

 | Member Number: 650 |
 | Member Section: ST ISMC75 (INDIAN SECTIONS)
 | Status: PASS Ratio: 0.337 Critical Load Case: 511 Location: 0.00
 | Critical Condition: Slenderness (Compression)
 |
 |-----

 | Member Number: 651 |
 | Member Section: ST ISMC150 (INDIAN SECTIONS)
 | Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00
 | Critical Condition: Slenderness (Compression)
 |
 |-----

 | Member Number: 652 |
 | Member Section: ST ISA75X75X8 (INDIAN SECTIONS)
 | Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00
 | Critical Condition: Slenderness (Compression)
 |
 |-----

 | Member Number: 653 |
 |
 |-----

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 654

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 655

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 656

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 657

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 658

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 659

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 660

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 661

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 662

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 663

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 664

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 665

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 666

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 667

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 668

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 669

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 670

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 671

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 672

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 673

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 674

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 675

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 676

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 677

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 678

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 679

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.235 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 680

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 681

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 682

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 683

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.122 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.1.3

Member Number: 684

Member Section: ST ISMC150 (INDIAN SECTIONS)
Status: PASS Ratio: 0.125 Critical Load Case: 565 Location: 0.00
Critical Condition: Sec. 9.3.1.3

Member Number: 685
Member Section: ST ISMC75 (INDIAN SECTIONS)
Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 686
Member Section: ST ISMC150 (INDIAN SECTIONS)
Status: PASS Ratio: 0.202 Critical Load Case: 561 Location: 1.04
Critical Condition: Sec. 9.3.2.2

Member Number: 687
Member Section: ST ISA75X75X8 (INDIAN SECTIONS)
Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 688 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 689 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

| Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 690 |

| Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Tension)

Member Number: 691

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 692

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 693

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.264 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 694

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 695

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 696

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 697

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.119 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.1.3

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 698

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 699

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 700

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.224 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 701

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 513 Location: 0.00

| Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 702 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.381 Critical Load Case: 511 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 703 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 704 |

| Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.124 Critical Load Case: 565 Location: 1.04

| Critical Condition: Sec. 9.3.1.3

Member Number: 705

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.131 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.1.3

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 706

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 707

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.262 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 708

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 709

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 710

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 711

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 712

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.129 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.1.3

Member Number: 713

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 714

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.231 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 715

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 716

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 717

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 718

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 719

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 720

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 721

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.279 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 722

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 723

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 724

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 725

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 726

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 727

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 728

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.217 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 729

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 730

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 731

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 732

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 733

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 734

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 735

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.210 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 736

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 737

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 738

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 739

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 740

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 741

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 742

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 743

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 744

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 745

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 746

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 747

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 748

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 749

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

|

| Member Number: 750 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 751 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 752 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 753 |

Member Section: ST ISMC150 (INDIAN SECTIONS)
Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 754
Member Section: ST ISMC150 (INDIAN SECTIONS)
Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 755
Member Section: ST ISMC75 (INDIAN SECTIONS)
Status: PASS Ratio: 0.337 Critical Load Case: 545 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 756
Member Section: ST ISMC150 (INDIAN SECTIONS)
Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 757

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 758

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 759

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 760

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 761

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.205 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 762

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 763

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 764

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 765

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 766

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 767

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.243 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 768

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.208 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 769

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 770

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 771

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 772

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 773

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 774

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.211 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 775

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.253 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 776

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 777

Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Tension)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 778 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 779 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 780 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

Member Number: 781

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.209 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 782

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 783

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 784

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 785

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 786

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 787

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 788

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 789

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 790

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 791

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 792

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 793

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 794

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 795

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 796

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 797

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 798

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 799

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 800

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 801

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

| Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 802 |

| Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.189 Critical Load Case: 511 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 803 |

| Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.189 Critical Load Case: 513 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 804 |

| Member Section: ST ISMC75 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.337 Critical Load Case: 511 Location: 0.00

| Critical Condition: Slenderness (Compression)

Member Number: 805

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 806

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 807

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 808

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 809

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 810

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 811

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 812

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 813

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 814

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 815

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 816

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 817

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 818

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 819

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.243 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 820

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 821

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 822

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 823

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 824

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 825

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 826

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.251 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 827

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 828

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 829

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 830

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.130 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.1.3

Member Number: 831

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 832

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 833

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.271 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 834

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 835

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 836

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 837

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.132 Critical Load Case: 565 Location: 0.00

Critical Condition: Sec. 9.3.1.3

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 838

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.122 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.1.3

Member Number: 839

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 840

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.227 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 841

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 842

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 843

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 844

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 845

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 846

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 847

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.269 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 848

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 849

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

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0

| Member Number: 850 |
| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)
| Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00
Critical Condition: Slenderness (Compression)

| Member Number: 851 |
| Member Section: ST ISMC150 (INDIAN SECTIONS)
| Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Tension)

| Member Number: 852 |
| Member Section: ST ISMC150 (INDIAN SECTIONS)
| Status: PASS Ratio: 0.118 Critical Load Case: 501 Location: 0.00
Critical Condition: Slenderness (Tension)

Member Number: 853

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 854

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.218 Critical Load Case: 561 Location: 1.04

Critical Condition: Sec. 9.3.2.2

Member Number: 855

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 856

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 857

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 858

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.125 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.1.3

Member Number: 859

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.120 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.1.3

Member Number: 860

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 861

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.254 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 862

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 863

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 864

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 865

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 866

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 867

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 868

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 869

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 870

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 871

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 872

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 873

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 874

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 875

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.208 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 876

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 877

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 878

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 879

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 880

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 881

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 882

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 883

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 884

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 885

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 886

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 887

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 888 |

| Member Section: ST ISMC75 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.337 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 889 |

| Member Section: ST ISMC150 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 890 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

Member Number: 891

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 892

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 893

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.246 Critical Load Case: 565 Location: 1.04

Critical Condition: Sec. 9.3.2.2

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 894

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.234 Critical Load Case: 561 Location: 0.00

Critical Condition: Sec. 9.3.2.2

Member Number: 895

Member Section: ST ISMC75 (INDIAN SECTIONS)

Status: PASS Ratio: 0.337 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 896

Member Section: ST ISMC150 (INDIAN SECTIONS)

Status: PASS Ratio: 0.189 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 897

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 898

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.381 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 899

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.274 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 900

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 901

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 902 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 903 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 904 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

| Critical Condition: Slenderness (Compression)

Member Number: 905

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 906

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 907

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 908

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 909

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 910

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 911

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 912

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 913

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 914

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 915

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 916

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 917

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 918

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 919

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.387 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 920

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 921

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 922

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 923

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 924

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 925

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 926

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 927

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 928

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 929

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 930

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 931

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 932

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 933

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.246 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 934

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 935

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 936

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 937

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 938

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 939

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 940

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 941

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 942

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 943

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 944

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 945

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 946

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 947

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 948

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 949

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 950

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 951

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 952

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 953

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 954

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 955

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 956

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 957

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 958

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 959

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 960

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 961

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 962

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 963

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 964 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 965 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.12

| Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 966 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

| Critical Condition: Slenderness (Compression)

Member Number: 967

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 968

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 969

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 970

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 971

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 972

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 973

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 974

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 975

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 976

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 977

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 978

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 979

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 980

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 981

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 982

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 983

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 984

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 985

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 986

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 987

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 988

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 989

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 990

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 991

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 992

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 993

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 994

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00
Critical Condition: Slenderness (Compression)

Member Number: 995

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 996

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 997

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 998

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 999

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1000

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1001

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

| Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

| Member Number: 1002 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 1003 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

| Critical Condition: Slenderness (Compression)

| Member Number: 1004 |

| Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

| Status: PASS Ratio: 0.548 Critical Load Case: 661 Location: 0.00

| Critical Condition: Slenderness (Compression)

Member Number: 1005

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1006

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1007

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1008

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1009

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1010

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 663 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1011

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1012

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1013

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD SPACE

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1014

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1015

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1016

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1017

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1018

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.548 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1019

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.538 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1020

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.538 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1021

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.538 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1022

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.538 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1023

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1024

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1025

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 513 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1026

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1027

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1028

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1029

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1030

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1031

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1032

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1033

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1034

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1035

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1036

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1037

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1038

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1039

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1040

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1041

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1042

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.242 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Tension)

Member Number: 1043

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 541 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1044

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 545 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1045

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 511 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1046

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1047

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1048

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1049

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

□

□Member Number: 1050 □

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

□Member Number: 1051 □

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

□Member Number: 1052 □

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

□Member Number: 1053 □

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1054

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1055

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1056

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1057

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

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STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.2)

Member Number: 1058

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1059

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1060

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

Member Number: 1061

Member Section: ST ISA75X75X8 (INDIAN SECTIONS)

Status: PASS Ratio: 0.394 Critical Load Case: 501 Location: 0.00

Critical Condition: Slenderness (Compression)

817. STEEL MEMBER TAKE OFF LIST ALL

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STEEL TAKE OFF

STEEL TAKE-OFF

PROFILE

LENGTH(METE)

WEIGHT(KN)

ST	ISMC200	32.00	7.006
ST	ISA75X75X8	420.28	36.806
ST	ISMC75	40.00	2.796
ST	ISMC150	167.36	27.384

TOTAL = 73.992

MEMBER

PROFILE

LENGTH
(METE)

WEIGHT
(KN)

448	ST	ISMC200	1.00	0.219
449	ST	ISMC200	1.00	0.219
450	ST	ISMC200	1.00	0.219

451	ST	ISMC200	1.00	0.219
452	ST	ISMC200	1.00	0.219
453	ST	ISMC200	1.00	0.219
454	ST	ISMC200	1.00	0.219
455	ST	ISMC200	1.00	0.219
457	ST	ISMC200	1.00	0.219
459	ST	ISMC200	1.00	0.219
460	ST	ISA75X75X8	1.00	0.088
461	ST	ISMC200	1.00	0.219
462	ST	ISA75X75X8	1.00	0.088
463	ST	ISMC200	1.00	0.219
464	ST	ISA75X75X8	1.00	0.088
465	ST	ISMC200	1.00	0.219
466	ST	ISA75X75X8	1.00	0.088
467	ST	ISMC200	1.00	0.219
468	ST	ISA75X75X8	1.00	0.088
469	ST	ISMC200	1.00	0.219
470	ST	ISA75X75X8	1.00	0.088
471	ST	ISMC200	1.00	0.219
472	ST	ISA75X75X8	1.00	0.088
473	ST	ISA75X75X8	1.41	0.124
474	ST	ISA75X75X8	1.41	0.124
475	ST	ISA75X75X8	1.41	0.124
476	ST	ISA75X75X8	1.41	0.124
477	ST	ISA75X75X8	1.41	0.124
478	ST	ISA75X75X8	1.41	0.124
479	ST	ISA75X75X8	1.41	0.124
480	ST	ISA75X75X8	1.41	0.124
481	ST	ISMC200	1.00	0.219
482	ST	ISMC200	1.00	0.219
483	ST	ISMC200	1.00	0.219
484	ST	ISMC200	1.00	0.219
485	ST	ISMC200	1.00	0.219
486	ST	ISMC200	1.00	0.219

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487	ST	ISMC200	1.00	0.219
488	ST	ISMC200	1.00	0.219
490	ST	ISMC200	1.00	0.219
492	ST	ISMC200	1.00	0.219
493	ST	ISA75X75X8	1.00	0.088
494	ST	ISMC200	1.00	0.219
495	ST	ISA75X75X8	1.00	0.088
496	ST	ISMC200	1.00	0.219
497	ST	ISA75X75X8	1.00	0.088
498	ST	ISMC200	1.00	0.219
499	ST	ISA75X75X8	1.00	0.088
500	ST	ISMC200	1.00	0.219
501	ST	ISA75X75X8	1.00	0.088
502	ST	ISMC200	1.00	0.219

503	ST	ISA75X75X8	1.00	0.088
504	ST	ISMC200	1.00	0.219
505	ST	ISA75X75X8	1.00	0.088
506	ST	ISA75X75X8	1.41	0.124
507	ST	ISA75X75X8	1.41	0.124
508	ST	ISA75X75X8	1.41	0.124
509	ST	ISA75X75X8	1.41	0.124
510	ST	ISA75X75X8	1.41	0.124
511	ST	ISA75X75X8	1.41	0.124
512	ST	ISA75X75X8	1.41	0.124
513	ST	ISA75X75X8	1.41	0.124
514	ST	ISA75X75X8	1.00	0.088
515	ST	ISA75X75X8	1.00	0.088
516	ST	ISA75X75X8	1.00	0.088
517	ST	ISA75X75X8	1.00	0.088
518	ST	ISA75X75X8	1.00	0.088
519	ST	ISA75X75X8	1.00	0.088
520	ST	ISA75X75X8	1.00	0.088
521	ST	ISA75X75X8	1.00	0.088
522	ST	ISA75X75X8	1.00	0.088
523	ST	ISA75X75X8	1.00	0.088
524	ST	ISA75X75X8	1.00	0.088
525	ST	ISA75X75X8	1.00	0.088
526	ST	ISA75X75X8	1.00	0.088
527	ST	ISA75X75X8	1.00	0.088
528	ST	ISA75X75X8	1.41	0.124
529	ST	ISA75X75X8	1.41	0.124
530	ST	ISA75X75X8	1.41	0.124
531	ST	ISA75X75X8	1.41	0.124
532	ST	ISA75X75X8	1.41	0.124
533	ST	ISA75X75X8	1.41	0.124
534	ST	ISA75X75X8	1.41	0.124
535	ST	ISA75X75X8	1.41	0.124
536	ST	ISA75X75X8	1.41	0.124
537	ST	ISA75X75X8	1.41	0.124
538	ST	ISA75X75X8	1.41	0.124
539	ST	ISA75X75X8	1.41	0.124
540	ST	ISA75X75X8	1.41	0.124
541	ST	ISA75X75X8	1.41	0.124
542	ST	ISA75X75X8	1.41	0.124
543	ST	ISA75X75X8	1.41	0.124
564	ST	ISMC75	1.00	0.070

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565	ST	ISMC150	1.00	0.164
566	ST	ISMC150	1.00	0.164
567	ST	ISMC150	1.00	0.164
588	ST	ISMC75	1.00	0.070
589	ST	ISMC150	1.00	0.164
590	ST	ISMC150	1.00	0.164

591	ST	ISMC150	1.00	0.164
592	ST	ISMC75	1.00	0.070
593	ST	ISA75X75X8	1.00	0.088
594	ST	ISA75X75X8	1.00	0.088
595	ST	ISA75X75X8	1.00	0.088
596	ST	ISMC75	1.00	0.070
597	ST	ISA75X75X8	1.00	0.088
598	ST	ISA75X75X8	1.00	0.088
599	ST	ISA75X75X8	1.00	0.088
600	ST	ISMC150	1.00	0.164
601	ST	ISMC150	1.00	0.164
602	ST	ISMC150	1.00	0.164
603	ST	ISMC150	1.00	0.164
604	ST	ISMC150	1.04	0.169
605	ST	ISMC150	1.04	0.169
606	ST	ISMC150	1.04	0.169
607	ST	ISMC150	1.04	0.169
608	ST	ISMC150	1.04	0.169
609	ST	ISMC150	1.04	0.169
610	ST	ISMC150	1.04	0.169
611	ST	ISMC150	1.04	0.169
612	ST	ISMC150	1.04	0.169
613	ST	ISMC150	1.04	0.169
614	ST	ISMC150	1.04	0.169
615	ST	ISMC150	1.04	0.169
616	ST	ISMC150	1.04	0.169
617	ST	ISMC150	1.04	0.169
618	ST	ISMC150	1.04	0.169
619	ST	ISMC150	1.04	0.169
620	ST	ISMC150	1.04	0.169
621	ST	ISMC150	1.04	0.169
622	ST	ISMC150	1.04	0.169
623	ST	ISMC150	1.04	0.169
624	ST	ISMC150	1.04	0.169
625	ST	ISMC150	1.04	0.169
626	ST	ISMC150	1.04	0.169
627	ST	ISMC150	1.04	0.169
628	ST	ISMC150	1.04	0.169
629	ST	ISMC150	1.04	0.169
630	ST	ISMC150	1.04	0.169
631	ST	ISMC150	1.04	0.169
632	ST	ISMC150	1.04	0.169
633	ST	ISMC150	1.04	0.169
634	ST	ISMC150	1.04	0.169
635	ST	ISMC150	1.04	0.169
636	ST	ISMC150	1.04	0.169
637	ST	ISMC150	1.04	0.169
638	ST	ISMC150	1.04	0.169
639	ST	ISMC150	1.04	0.169
640	ST	ISMC150	1.04	0.169

641	ST	ISMC150	1.04	0.169
642	ST	ISMC150	1.04	0.169
643	ST	ISMC150	1.04	0.169
644	ST	ISMC150	1.04	0.169
645	ST	ISMC150	1.04	0.169
646	ST	ISMC150	1.04	0.169
647	ST	ISMC150	1.04	0.169
648	ST	ISMC150	1.04	0.169
649	ST	ISMC150	1.04	0.169
650	ST	ISMC75	1.00	0.070
651	ST	ISMC150	1.04	0.169
652	ST	ISA75X75X8	1.00	0.088
653	ST	ISA75X75X8	1.00	0.088
654	ST	ISA75X75X8	1.00	0.088
655	ST	ISMC150	1.04	0.169
656	ST	ISMC150	1.04	0.169
657	ST	ISMC75	1.00	0.070
658	ST	ISMC150	1.04	0.169
659	ST	ISA75X75X8	1.00	0.088
660	ST	ISA75X75X8	1.00	0.088
661	ST	ISA75X75X8	1.00	0.088
662	ST	ISMC150	1.04	0.169
663	ST	ISMC150	1.04	0.169
664	ST	ISMC75	1.00	0.070
665	ST	ISMC150	1.04	0.169
666	ST	ISA75X75X8	1.00	0.088
667	ST	ISA75X75X8	1.00	0.088
668	ST	ISA75X75X8	1.00	0.088
669	ST	ISMC150	1.04	0.169
670	ST	ISMC150	1.04	0.169
671	ST	ISMC75	1.00	0.070
672	ST	ISMC150	1.04	0.169
673	ST	ISA75X75X8	1.00	0.088
674	ST	ISA75X75X8	1.00	0.088
675	ST	ISA75X75X8	1.00	0.088
676	ST	ISMC150	1.04	0.169
677	ST	ISMC150	1.04	0.169
678	ST	ISMC75	1.00	0.070
679	ST	ISMC150	1.04	0.169
680	ST	ISA75X75X8	1.00	0.088
681	ST	ISA75X75X8	1.00	0.088
682	ST	ISA75X75X8	1.00	0.088
683	ST	ISMC150	1.04	0.169
684	ST	ISMC150	1.04	0.169
685	ST	ISMC75	1.00	0.070
686	ST	ISMC150	1.04	0.169
687	ST	ISA75X75X8	1.00	0.088
688	ST	ISA75X75X8	1.00	0.088

689	ST	ISA75X75X8	1.00	0.088
690	ST	ISMC150	1.04	0.169
691	ST	ISMC150	1.04	0.169
692	ST	ISMC75	1.00	0.070
693	ST	ISMC150	1.04	0.169
694	ST	ISA75X75X8	1.00	0.088
695	ST	ISA75X75X8	1.00	0.088
696	ST	ISA75X75X8	1.00	0.088

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697	ST	ISMC150	1.04	0.169
698	ST	ISMC150	1.04	0.169
699	ST	ISMC75	1.00	0.070
700	ST	ISMC150	1.04	0.169
701	ST	ISA75X75X8	1.00	0.088
702	ST	ISA75X75X8	1.00	0.088
703	ST	ISA75X75X8	1.00	0.088
704	ST	ISMC150	1.04	0.169
705	ST	ISMC150	1.04	0.169
706	ST	ISMC75	1.00	0.070
707	ST	ISMC150	1.04	0.169
708	ST	ISA75X75X8	1.00	0.088
709	ST	ISA75X75X8	1.00	0.088
710	ST	ISA75X75X8	1.00	0.088
711	ST	ISMC150	1.04	0.169
712	ST	ISMC150	1.04	0.169
713	ST	ISMC75	1.00	0.070
714	ST	ISMC150	1.04	0.169
715	ST	ISA75X75X8	1.00	0.088
716	ST	ISA75X75X8	1.00	0.088
717	ST	ISA75X75X8	1.00	0.088
718	ST	ISMC150	1.04	0.169
719	ST	ISMC150	1.04	0.169
720	ST	ISMC75	1.00	0.070
721	ST	ISMC150	1.04	0.169
722	ST	ISA75X75X8	1.00	0.088
723	ST	ISA75X75X8	1.00	0.088
724	ST	ISA75X75X8	1.00	0.088
725	ST	ISMC150	1.04	0.169
726	ST	ISMC150	1.04	0.169
727	ST	ISMC75	1.00	0.070
728	ST	ISMC150	1.04	0.169
729	ST	ISA75X75X8	1.00	0.088
730	ST	ISA75X75X8	1.00	0.088
731	ST	ISA75X75X8	1.00	0.088
732	ST	ISMC150	1.04	0.169
733	ST	ISMC150	1.04	0.169
734	ST	ISMC75	1.00	0.070
735	ST	ISMC150	1.04	0.169
736	ST	ISA75X75X8	1.00	0.088

737	ST	ISA75X75X8	1.00	0.088
738	ST	ISA75X75X8	1.00	0.088
739	ST	ISMC150	1.04	0.169
740	ST	ISMC150	1.04	0.169
741	ST	ISMC75	1.00	0.070
742	ST	ISMC150	1.04	0.169
743	ST	ISA75X75X8	1.00	0.088
744	ST	ISA75X75X8	1.00	0.088
745	ST	ISA75X75X8	1.00	0.088
746	ST	ISMC150	1.04	0.169
747	ST	ISMC150	1.04	0.169
748	ST	ISMC75	1.00	0.070
749	ST	ISMC150	1.04	0.169
750	ST	ISA75X75X8	1.00	0.088
751	ST	ISA75X75X8	1.00	0.088
752	ST	ISA75X75X8	1.00	0.088

↑ STAAD SPACE

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753	ST	ISMC150	1.04	0.169
754	ST	ISMC150	1.04	0.169
755	ST	ISMC75	1.00	0.070
756	ST	ISMC150	1.04	0.169
757	ST	ISA75X75X8	1.00	0.088
758	ST	ISA75X75X8	1.00	0.088
759	ST	ISA75X75X8	1.00	0.088
760	ST	ISMC150	1.04	0.169
761	ST	ISMC150	1.04	0.169
762	ST	ISMC75	1.00	0.070
763	ST	ISMC150	1.04	0.169
764	ST	ISA75X75X8	1.00	0.088
765	ST	ISA75X75X8	1.00	0.088
766	ST	ISA75X75X8	1.00	0.088
767	ST	ISMC150	1.04	0.169
768	ST	ISMC150	1.04	0.169
769	ST	ISMC75	1.00	0.070
770	ST	ISMC150	1.04	0.169
771	ST	ISA75X75X8	1.00	0.088
772	ST	ISA75X75X8	1.00	0.088
773	ST	ISA75X75X8	1.00	0.088
774	ST	ISMC150	1.04	0.169
775	ST	ISMC150	1.04	0.169
776	ST	ISMC75	1.00	0.070
777	ST	ISMC150	1.04	0.169
778	ST	ISA75X75X8	1.00	0.088
779	ST	ISA75X75X8	1.00	0.088
780	ST	ISA75X75X8	1.00	0.088
781	ST	ISMC150	1.04	0.169
782	ST	ISMC150	1.04	0.169
783	ST	ISMC75	1.00	0.070
784	ST	ISMC150	1.04	0.169

785	ST	ISA75X75X8	1.00	0.088
786	ST	ISA75X75X8	1.00	0.088
787	ST	ISA75X75X8	1.00	0.088
788	ST	ISM150	1.04	0.169
789	ST	ISM150	1.04	0.169
790	ST	ISM75	1.00	0.070
791	ST	ISM150	1.04	0.169
792	ST	ISA75X75X8	1.00	0.088
793	ST	ISA75X75X8	1.00	0.088
794	ST	ISA75X75X8	1.00	0.088
795	ST	ISM150	1.04	0.169
796	ST	ISM150	1.04	0.169
797	ST	ISM75	1.00	0.070
798	ST	ISM150	1.04	0.169
799	ST	ISA75X75X8	1.00	0.088
800	ST	ISA75X75X8	1.00	0.088
801	ST	ISA75X75X8	1.00	0.088
802	ST	ISM150	1.04	0.169
803	ST	ISM150	1.04	0.169
804	ST	ISM75	1.00	0.070
805	ST	ISM150	1.04	0.169
806	ST	ISA75X75X8	1.00	0.088
807	ST	ISA75X75X8	1.00	0.088
808	ST	ISA75X75X8	1.00	0.088

↑ STAAD SPACE

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809	ST	ISM150	1.04	0.169
810	ST	ISM150	1.04	0.169
811	ST	ISM75	1.00	0.070
812	ST	ISM150	1.04	0.169
813	ST	ISA75X75X8	1.00	0.088
814	ST	ISA75X75X8	1.00	0.088
815	ST	ISA75X75X8	1.00	0.088
816	ST	ISM150	1.04	0.169
817	ST	ISM150	1.04	0.169
818	ST	ISM75	1.00	0.070
819	ST	ISM150	1.04	0.169
820	ST	ISA75X75X8	1.00	0.088
821	ST	ISA75X75X8	1.00	0.088
822	ST	ISA75X75X8	1.00	0.088
823	ST	ISM150	1.04	0.169
824	ST	ISM150	1.04	0.169
825	ST	ISM75	1.00	0.070
826	ST	ISM150	1.04	0.169
827	ST	ISA75X75X8	1.00	0.088
828	ST	ISA75X75X8	1.00	0.088
829	ST	ISA75X75X8	1.00	0.088
830	ST	ISM150	1.04	0.169
831	ST	ISM150	1.04	0.169
832	ST	ISM75	1.00	0.070

833	ST	ISMC150	1.04	0.169
834	ST	ISA75X75X8	1.00	0.088
835	ST	ISA75X75X8	1.00	0.088
836	ST	ISA75X75X8	1.00	0.088
837	ST	ISMC150	1.04	0.169
838	ST	ISMC150	1.04	0.169
839	ST	ISMC75	1.00	0.070
840	ST	ISMC150	1.04	0.169
841	ST	ISA75X75X8	1.00	0.088
842	ST	ISA75X75X8	1.00	0.088
843	ST	ISA75X75X8	1.00	0.088
844	ST	ISMC150	1.04	0.169
845	ST	ISMC150	1.04	0.169
846	ST	ISMC75	1.00	0.070
847	ST	ISMC150	1.04	0.169
848	ST	ISA75X75X8	1.00	0.088
849	ST	ISA75X75X8	1.00	0.088
850	ST	ISA75X75X8	1.00	0.088
851	ST	ISMC150	1.04	0.169
852	ST	ISMC150	1.04	0.169
853	ST	ISMC75	1.00	0.070
854	ST	ISMC150	1.04	0.169
855	ST	ISA75X75X8	1.00	0.088
856	ST	ISA75X75X8	1.00	0.088
857	ST	ISA75X75X8	1.00	0.088
858	ST	ISMC150	1.04	0.169
859	ST	ISMC150	1.04	0.169
860	ST	ISMC75	1.00	0.070
861	ST	ISMC150	1.04	0.169
862	ST	ISA75X75X8	1.00	0.088
863	ST	ISA75X75X8	1.00	0.088
864	ST	ISA75X75X8	1.00	0.088

↑ STAAD SPACE

-- PAGE NO. 241

865	ST	ISMC150	1.04	0.169
866	ST	ISMC150	1.04	0.169
867	ST	ISMC75	1.00	0.070
868	ST	ISMC150	1.04	0.169
869	ST	ISA75X75X8	1.00	0.088
870	ST	ISA75X75X8	1.00	0.088
871	ST	ISA75X75X8	1.00	0.088
872	ST	ISMC150	1.04	0.169
873	ST	ISMC150	1.04	0.169
874	ST	ISMC75	1.00	0.070
875	ST	ISMC150	1.04	0.169
876	ST	ISA75X75X8	1.00	0.088
877	ST	ISA75X75X8	1.00	0.088
878	ST	ISA75X75X8	1.00	0.088
879	ST	ISMC150	1.04	0.169
880	ST	ISMC150	1.04	0.169

881	ST	ISMC75	1.00	0.070
882	ST	ISMC150	1.04	0.169
883	ST	ISA75X75X8	1.00	0.088
884	ST	ISA75X75X8	1.00	0.088
885	ST	ISA75X75X8	1.00	0.088
886	ST	ISMC150	1.04	0.169
887	ST	ISMC150	1.04	0.169
888	ST	ISMC75	1.00	0.070
889	ST	ISMC150	1.04	0.169
890	ST	ISA75X75X8	1.00	0.088
891	ST	ISA75X75X8	1.00	0.088
892	ST	ISA75X75X8	1.00	0.088
893	ST	ISMC150	1.04	0.169
894	ST	ISMC150	1.04	0.169
895	ST	ISMC75	1.00	0.070
896	ST	ISMC150	1.04	0.169
897	ST	ISA75X75X8	1.00	0.088
898	ST	ISA75X75X8	1.00	0.088
899	ST	ISA75X75X8	1.00	0.088
900	ST	ISA75X75X8	1.44	0.126
901	ST	ISA75X75X8	1.44	0.126
902	ST	ISA75X75X8	1.44	0.126
903	ST	ISA75X75X8	1.44	0.126
904	ST	ISA75X75X8	1.44	0.126
905	ST	ISA75X75X8	1.44	0.126
906	ST	ISA75X75X8	1.44	0.126
907	ST	ISA75X75X8	1.44	0.126
908	ST	ISA75X75X8	1.44	0.126
909	ST	ISA75X75X8	1.44	0.126
910	ST	ISA75X75X8	1.44	0.126
911	ST	ISA75X75X8	1.44	0.126
912	ST	ISA75X75X8	1.44	0.126
913	ST	ISA75X75X8	1.44	0.126
914	ST	ISA75X75X8	1.44	0.126
915	ST	ISA75X75X8	1.44	0.126
916	ST	ISA75X75X8	1.44	0.126
917	ST	ISA75X75X8	1.44	0.126
918	ST	ISA75X75X8	1.44	0.126
919	ST	ISA75X75X8	1.41	0.124
920	ST	ISA75X75X8	1.44	0.126

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921	ST	ISA75X75X8	1.44	0.126
922	ST	ISA75X75X8	1.44	0.126
923	ST	ISA75X75X8	1.44	0.126
924	ST	ISA75X75X8	1.44	0.126
925	ST	ISA75X75X8	1.44	0.126
926	ST	ISA75X75X8	1.44	0.126
927	ST	ISA75X75X8	1.44	0.126
928	ST	ISA75X75X8	1.44	0.126

929	ST	ISA75X75X8	1.44	0.126
930	ST	ISA75X75X8	1.44	0.126
931	ST	ISA75X75X8	1.44	0.126
932	ST	ISA75X75X8	1.44	0.126
933	ST	ISA75X75X8	1.44	0.126
934	ST	ISA75X75X8	1.44	0.126
935	ST	ISA75X75X8	1.44	0.126
936	ST	ISA75X75X8	1.44	0.126
937	ST	ISA75X75X8	1.44	0.126
938	ST	ISA75X75X8	1.44	0.126
939	ST	ISA75X75X8	1.44	0.126
940	ST	ISA75X75X8	1.44	0.126
941	ST	ISA75X75X8	1.44	0.126
942	ST	ISA75X75X8	1.44	0.126
943	ST	ISA75X75X8	1.44	0.126
944	ST	ISA75X75X8	1.44	0.126
945	ST	ISA75X75X8	1.44	0.126
946	ST	ISA75X75X8	1.44	0.126
947	ST	ISA75X75X8	1.44	0.126
948	ST	ISA75X75X8	1.44	0.126
949	ST	ISA75X75X8	1.44	0.126
950	ST	ISA75X75X8	1.44	0.126
951	ST	ISA75X75X8	1.44	0.126
952	ST	ISA75X75X8	1.44	0.126
953	ST	ISA75X75X8	1.44	0.126
954	ST	ISA75X75X8	1.44	0.126
955	ST	ISA75X75X8	1.44	0.126
956	ST	ISA75X75X8	1.44	0.126
957	ST	ISA75X75X8	1.44	0.126
958	ST	ISA75X75X8	1.44	0.126
959	ST	ISA75X75X8	1.44	0.126
960	ST	ISA75X75X8	1.44	0.126
961	ST	ISA75X75X8	1.44	0.126
962	ST	ISA75X75X8	1.44	0.126
963	ST	ISA75X75X8	1.44	0.126
964	ST	ISA75X75X8	1.44	0.126
965	ST	ISA75X75X8	1.44	0.126
966	ST	ISA75X75X8	1.44	0.126
967	ST	ISA75X75X8	1.44	0.126
968	ST	ISA75X75X8	1.44	0.126
969	ST	ISA75X75X8	1.44	0.126
970	ST	ISA75X75X8	1.44	0.126
971	ST	ISA75X75X8	1.44	0.126
972	ST	ISA75X75X8	1.44	0.126
973	ST	ISA75X75X8	1.44	0.126
974	ST	ISA75X75X8	1.44	0.126
975	ST	ISA75X75X8	1.44	0.126
976	ST	ISA75X75X8	1.44	0.126

977	ST	ISA75X75X8	1.44	0.126
978	ST	ISA75X75X8	1.44	0.126
979	ST	ISA75X75X8	1.44	0.126
980	ST	ISA75X75X8	1.44	0.126
981	ST	ISA75X75X8	1.44	0.126
982	ST	ISA75X75X8	1.44	0.126
983	ST	ISA75X75X8	1.44	0.126
984	ST	ISA75X75X8	1.44	0.126
985	ST	ISA75X75X8	1.44	0.126
986	ST	ISA75X75X8	1.44	0.126
987	ST	ISA75X75X8	1.44	0.126
988	ST	ISA75X75X8	1.44	0.126
989	ST	ISA75X75X8	1.44	0.126
990	ST	ISA75X75X8	1.44	0.126
991	ST	ISA75X75X8	1.44	0.126
992	ST	ISA75X75X8	1.44	0.126
993	ST	ISA75X75X8	1.44	0.126
994	ST	ISA75X75X8	1.44	0.126
995	ST	ISA75X75X8	1.44	0.126
996	ST	ISA75X75X8	1.44	0.126
997	ST	ISA75X75X8	1.44	0.126
998	ST	ISA75X75X8	1.44	0.126
999	ST	ISA75X75X8	1.44	0.126
1000	ST	ISA75X75X8	1.44	0.126
1001	ST	ISA75X75X8	1.44	0.126
1002	ST	ISA75X75X8	1.44	0.126
1003	ST	ISA75X75X8	1.44	0.126
1004	ST	ISA75X75X8	1.44	0.126
1005	ST	ISA75X75X8	1.44	0.126
1006	ST	ISA75X75X8	1.44	0.126
1007	ST	ISA75X75X8	1.44	0.126
1008	ST	ISA75X75X8	1.44	0.126
1009	ST	ISA75X75X8	1.44	0.126
1010	ST	ISA75X75X8	1.44	0.126
1011	ST	ISA75X75X8	1.44	0.126
1012	ST	ISA75X75X8	1.44	0.126
1013	ST	ISA75X75X8	1.44	0.126
1014	ST	ISA75X75X8	1.44	0.126
1015	ST	ISA75X75X8	1.44	0.126
1016	ST	ISA75X75X8	1.44	0.126
1017	ST	ISA75X75X8	1.44	0.126
1018	ST	ISA75X75X8	1.44	0.126
1019	ST	ISA75X75X8	1.41	0.124
1020	ST	ISA75X75X8	1.41	0.124
1021	ST	ISA75X75X8	1.41	0.124
1022	ST	ISA75X75X8	1.41	0.124
1023	ST	ISA75X75X8	1.44	0.126
1024	ST	ISA75X75X8	1.44	0.126
1025	ST	ISA75X75X8	1.44	0.126
1026	ST	ISA75X75X8	1.44	0.126

1027	ST	ISA75X75X8	1.44	0.126
1028	ST	ISA75X75X8	1.44	0.126
1029	ST	ISA75X75X8	1.44	0.126
1030	ST	ISA75X75X8	1.44	0.126
1031	ST	ISA75X75X8	1.44	0.126
1032	ST	ISA75X75X8	1.44	0.126

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1033	ST	ISA75X75X8	1.44	0.126
1034	ST	ISA75X75X8	1.44	0.126
1035	ST	ISA75X75X8	1.44	0.126
1036	ST	ISA75X75X8	1.44	0.126
1037	ST	ISA75X75X8	1.44	0.126
1038	ST	ISA75X75X8	1.44	0.126
1039	ST	ISA75X75X8	1.44	0.126
1040	ST	ISA75X75X8	1.44	0.126
1041	ST	ISA75X75X8	1.44	0.126
1042	ST	ISA75X75X8	1.41	0.124
1043	ST	ISA75X75X8	1.44	0.126
1044	ST	ISA75X75X8	1.44	0.126
1045	ST	ISA75X75X8	1.44	0.126
1046	ST	ISA75X75X8	1.44	0.126
1047	ST	ISA75X75X8	1.44	0.126
1048	ST	ISA75X75X8	1.44	0.126
1049	ST	ISA75X75X8	1.44	0.126
1050	ST	ISA75X75X8	1.44	0.126
1051	ST	ISA75X75X8	1.44	0.126
1052	ST	ISA75X75X8	1.44	0.126
1053	ST	ISA75X75X8	1.44	0.126
1054	ST	ISA75X75X8	1.44	0.126
1055	ST	ISA75X75X8	1.44	0.126
1056	ST	ISA75X75X8	1.44	0.126
1057	ST	ISA75X75X8	1.44	0.126
1058	ST	ISA75X75X8	1.44	0.126
1059	ST	ISA75X75X8	1.44	0.126
1060	ST	ISA75X75X8	1.44	0.126
1061	ST	ISA75X75X8	1.44	0.126

TOTAL = 73.992

***** END OF DATA FROM INTERNAL STORAGE *****

818. FINISH

***** END OF THE STAAD.Pro RUN *****

**** DATE= AUG 15,2025 TIME= 16:50:23 ****

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 पाणीपुरवठा अभियंता
 नगर परिषद, नळदुर्ग

[Handwritten signature]
 मुख्याधिकारी
 नगर परिषद, नळदुर्ग