



FIRE SPRINKLER ISO DETAIL
SCALE: NTS

COLOR CODE PIPE PER SPECIFICATION
SECTION 09 90 00 PAINTS AND COATINGS

FIRE SPRINKLER RISER DETAIL
SCALE: NTS

Rev.	Date	Drawn	Checked	Remarks
3	21-11-2011	GE	GE	Revised per FPE review and certification
2	20-10-2011	BALA	BKT	Revised as per client's comment
1	11-10-2011	BALA	BKT	Revised as per client's comment
0	15-09-2011	BALA	BKT	Submitted for approval

REVISIONS :

PROJECT NAME:

**FIRE PROTECTION SYSTEM
FOR CORROSION REPAIR BUILDINGS**

PROJECT OWNER:

USACE

MAIN CONTRACTOR:

STRABAG OMAN LLC
STRABAG Oman LLC P.O. Box 444, Muscat Postal Code 100 Sultanate of Oman
Tel.: +968-24526900 Fax: +968-24526902

FIRE PROTECTION SYSTEM CONTRACTOR:

PROTECT UNITED TRADING & CONT. CO
PB. NO. 2934, POSTAL CODE -211, SALALAH, SULTANATE OF OMAN
TEL.: +968 23210925 FAX: +968 23210926 Email: protectu@gmail.com

DRAWING TITLE :			
FP4			
DRAWN	Gerald W. Ebeling, S.E.T.	CHECKED	GWE
DATE	11/23/11	APPROVED	GWE
SCALE	AS NOTED	REV. NO.	3
DRAWING NO. ISOMETRIC - SPRINKLER SYSTEM			SHEET 4 OF 6

NORTH

Standard Symbols

- P.I.V. - Post Indicator Valve
- N.R.S. - Key Operated Valve
- FDC - Public Hydrant
- Fire Dept. Connection
- O.S.&Y. Gate Valve
- Check Valve
- New Underground
- Existing Underground

Standard Symbols

- Alarm Check Valve
- Thrust Block
- Backflow Preventer

Standard Sprinkler Symbols

- Upright on 1/2" Outlet
- Pendent on 1/2" Outlet
- Upright on 1" Sprig
- Pendent below ceiling on 1" Drop
- Upright above Pendent on 1" Drop
- Sidewall on 1/2" Outlet
- Sidewall on 1" Sprig

GENERAL SYSTEM NOTES

- HYDRAULIC INFORMATION TO BE PROVIDED ON SPRINKLER RISER.
- EARTHQUAKE BRACING TO BE PROVIDED PER NFPA 13, IF REQUIRED
- ALL INSPECTORS TEST CONNECTIONS AND LOW POINT DRAINS TO BE PROVIDED PER NFPA 13.
- ALL HANGERS TO MEET CURRENT NFPA 13 REQUIREMENTS (U.N.O.).
- LINE PIPING SHALL BE SCH. #40 GALVANIZED PIPE WITH WELDED OUTLETS, ROLL GROOVED/THREADED ENDS WITH GROOVED/THREADED FITTINGS.
- MAIN PIPING SHALL BE SCH. #40 GALVANIZED WITH WELDED OUTLETS, ROLL GROOVED ENDS, AND GROOVED FITTINGS.
- SYSTEM DESIGN SHALL BE PER NFPA #13
- HYDRAULIC REFERENCE POINT
- ALL SYSTEM COMPONENTS SHALL BE U.L. LISTED AND F.M. APPROVED.
- SPARE HEAD CABINET TO INCLUDE: (2) ADD HEADS EA KIND, WRENCH & COPY OF NFPA 25

Sprinkler Legend

Symbol	Manufacturer	SIN/Model	Quantity	K-Factor	Type	Response	Orifice	Finish	Temperature
○	Rapidrop	RD025	60	80	Upright	Quick	12 1/2	Brass	93.33 °C
●	Rapidrop	RD023	24	80	Pendent	Quick	13 1/2	Brass	93.33 °C
Total			84						

CERTIFIED BY:

3D FIRE DESIGN, LLC
Professional Fire Protection Design,
3D BIM Design & Coordination

Gerald W. Ebeling, S.E.T.
Owner/NICET IV Cert. #105930

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